

10/538066

SEQUENCE LISTING

JC17 Rec'd PCT/PTO 09 JUN 2005

<110> Epimmune Inc.

<120> HLA-A1, -A2, -A3, -A24, -B7, and -B44 Tumor Associated Antigen
Peptides and Compositions

<130> 2060.015PC06

<140> PCT/US03/038949

<141> 2003-12-10

<150> US 60/432,017

<151> 2002-12-10

<160> 767

<170> PatentIn version 3.2

<210> 1

<211> 10

<212> PRT

<213> Homo sapiens

<400> 1

Val Leu Tyr Gly Pro Asp Ala Pro Thr Val
1 5 10

<210> 2

<211> 9

<212> PRT

<213> Homo sapiens

<400> 2

Tyr Leu Ser Gly Ala Asn Leu Asn Val
1 5

<210> 3

<211> 9

<212> PRT

<213> Homo sapiens

<400> 3

Ala Thr Val Gly Ile Met Ile Gly Val
1 5

<210> 4

<211> 11

<212> PRT

<213> Homo sapiens

<400> 4

Leu Leu Pro Glu Asn Asn Val Leu Ser Pro Val
1 5 10

<210> 5
<211> 9
<212> PRT
<213> Homo sapiens

<400> 5

Lys Leu Cys Pro Val Gln Leu Trp Val
1 5

<210> 6
<211> 9
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)..(3)
<223> Xaa = alpha-amino butyric acid

<400> 6

Lys Leu Xaa Pro Val Gln Leu Trp Val
1 5

<210> 7
<211> 9
<212> PRT
<213> Homo sapiens

<400> 7

Ser Leu Pro Pro Pro Gly Thr Arg Val
1 5

<210> 8
<211> 9
<212> PRT
<213> Homo sapiens

<400> 8

Ser Met Pro Pro Pro Gly Thr Arg Val
1 5

<210> 9
<211> 9
<212> PRT
<213> Homo sapiens

<400> 9

Lys Leu Phe Gly Ser Leu Ala Phe Val
1 5

<210> 10
<211> 9
<212> PRT
<213> Homo sapiens

<400> 10

Lys Val Phe Gly Ser Leu Ala Phe Val
1 5

<210> 11
<211> 10
<212> PRT
<213> Homo sapiens

<400> 11

Val Met Ala Gly Val Gly Ser Pro Tyr Val
1 5 10

<210> 12
<211> 9
<212> PRT
<213> Homo sapiens

<400> 12

Ala Leu Cys Arg Trp Gly Leu Leu Leu
1 5

<210> 13
<211> 9
<212> PRT
<213> Homo sapiens

<400> 13

Phe Leu Trp Gly Pro Arg Ala Leu Val
1 5

<210> 14
<211> 9
<212> PRT
<213> Homo sapiens

<400> 14

His Leu Tyr Gln Gly Cys Gln Val Val
1 5

<210> 15
<211> 9
<212> PRT
<213> Homo sapiens

<400> 15

Ile Leu His Asn Gly Ala Tyr Ser Leu
1 5

<210> 16

<211> 9

<212> PRT

<213> Homo sapiens

<400> 16

Ile Met Ile Gly Val Leu Val Gly Val
1 5

<210> 17

<211> 9

<212> PRT

<213> Homo sapiens

<400> 17

Lys Ile Phe Gly Ser Leu Ala Phe Leu
1 5

<210> 18

<211> 9

<212> PRT

<213> Homo sapiens

<400> 18

Lys Val Ala Glu Leu Val His Phe Leu
1 5

<210> 19

<211> 9

<212> PRT

<213> Homo sapiens

<400> 19

Leu Leu Thr Phe Trp Asn Pro Pro Val
1 5

<210> 20

<211> 10

<212> PRT

<213> Homo sapiens

<400> 20

Leu Val Phe Gly Ile Glu Leu Met Glu Val
1 5 10

<210> 21
<211> 11
<212> PRT
<213> Homo sapiens

<400> 21

Gln Leu Val Phe Gly Ile Glu Leu Met Glu Val
1 5 10

<210> 22
<211> 9
<212> PRT
<213> Homo sapiens

<400> 22

Arg Leu Leu Gln Glu Thr Glu Leu Val
1 5

<210> 23
<211> 9
<212> PRT
<213> Homo sapiens

<400> 23

Val Val Leu Gly Val Val Phe Gly Ile
1 5

<210> 24
<211> 10
<212> PRT
<213> Homo sapiens

<400> 24

Tyr Leu Gln Leu Val Phe Gly Ile Glu Val
1 5 10

<210> 25
<211> 10
<212> PRT
<213> Homo sapiens

<400> 25

Tyr Met Ile Met Val Lys Cys Trp Met Ile
1 5 10

<210> 26
<211> 14
<212> PRT
<213> Clostridium tetani

<400> 26

Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu
1 5 10

<210> 27
<211> 21
<212> PRT
<213> Plasmodium falciparum

<400> 27

Asp Ile Glu Lys Lys Ile Ala Lys Met Glu Lys Ala Ser Ser Val Phe
1 5 10 15

Asn Val Val Asn Ser
20

<210> 28
<211> 16
<212> PRT
<213> Streptococcus sp.

<400> 28

Gly Ala Val Asp Ser Ile Leu Gly Gly Val Ala Thr Tyr Gly Ala Ala
1 5 10 15

<210> 29
<211> 13
<212> PRT
<213> Unknown

<220>
<223> PADRE peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> May be L- or D-Alanine

<220>
<221> misc_feature
<222> (3)..(3)
<223> Xaa may be Cyclohexylalanine, Phe or Tyr

<220>
<221> misc_feature
<222> (7)..(7)
<223> Xaa may be Trp, Tyr, His or Asn

<220>
<221> misc_feature
<222> (13)..(13)
<223> May be L- or D-Alanine

<220>

<221> misc_feature
<222> (13)..(13)
<223> May be amidated

<400> 29

Ala Lys Xaa Val Ala Ala Xaa Thr Leu Lys Ala Ala Ala
1 5 10

<210> 30
<211> 13
<212> PRT
<213> Unknown

<220>
<223> PADRE Peptide

<220>
<221> misc_feature
<222> (3)..(3)
<223> Xaa may be cyclohexylalanine

<400> 30

Ala Lys Xaa Val Ala Ala Trp Thr Leu Lys Ala Ala Ala
1 5 10

<210> 31
<211> 13
<212> PRT
<213> Unknown

<220>
<223> PADRE Peptide

<400> 31

Ala Lys Phe Val Ala Ala Trp Thr Leu Lys Ala Ala Ala
1 5 10

<210> 32
<211> 13
<212> PRT
<213> Unknown

<220>
<223> PADRE Peptide

<400> 32

Ala Lys Tyr Val Ala Ala Trp Thr Leu Lys Ala Ala Ala
1 5 10

<210> 33
<211> 13
<212> PRT

<213> Unknown

<220>

<223> PADRE Peptide

<400> 33

Ala Lys Phe Val Ala Ala Tyr Thr Leu Lys Ala Ala Ala
1 5 10

<210> 34

<211> 13

<212> PRT

<213> Unknown

<220>

<223> PADRE Peptide

<220>

<221> misc_feature

<222> (3)..(3)

<223> Xaa may be cyclohexylalanine

<400> 34

Ala Lys Xaa Val Ala Ala Tyr Thr Leu Lys Ala Ala Ala
1 5 10

<210> 35

<211> 13

<212> PRT

<213> Unknown

<220>

<223> PADRE Peptide

<400> 35

Ala Lys Tyr Val Ala Ala Tyr Thr Leu Lys Ala Ala Ala
1 5 10

<210> 36

<211> 13

<212> PRT

<213> Unknown

<220>

<223> PADRE Peptide

<400> 36

Ala Lys Phe Val Ala Ala His Thr Leu Lys Ala Ala Ala
1 5 10

<210> 37

<211> 13

<212> PRT
<213> Unknown

<220>
<223> PADRE Peptide

<220>
<221> misc_feature
<222> (3)..(3)
<223> Xaa may be cyclohexylalanine

<400> 37

Ala Lys Xaa Val Ala Ala His Thr Leu Lys Ala Ala Ala
1 5 10

<210> 38
<211> 13
<212> PRT
<213> Unknown

<220>
<223> PADRE Peptide

<400> 38

Ala Lys Tyr Val Ala Ala His Thr Leu Lys Ala Ala Ala
1 5 10

<210> 39
<211> 13
<212> PRT
<213> Unknown

<220>
<223> PADRE Peptide

<400> 39

Ala Lys Phe Val Ala Ala Asn Thr Leu Lys Ala Ala Ala
1 5 10

<210> 40
<211> 13
<212> PRT
<213> Unknown

<220>
<223> PADRE Peptide

<220>
<221> misc_feature
<222> (3)..(3)
<223> Xaa may be cyclohexylalanine

<400> 40

Ala Lys Xaa Val Ala Ala Asn Thr Leu Lys Ala Ala Ala
1 5 10

<210> 41
<211> 13
<212> PRT
<213> Unknown

<220>
<223> PADRE Peptide

<400> 41

Ala Lys Tyr Val Ala Ala Asn Thr Leu Lys Ala Ala Ala
1 5 10

<210> 42
<211> 9
<212> PRT
<213> Homo sapiens

<400> 42

His Leu Phe Gly Tyr Ser Trp Tyr Lys
1 5

<210> 43
<211> 10
<212> PRT
<213> Homo sapiens

<400> 43

Thr Ile Ser Pro Leu Asn Thr Ser Tyr Arg
1 5 10

<210> 44
<211> 10
<212> PRT
<213> Homo sapiens

<400> 44

Thr Ile Ser Pro Leu Asn Thr Ser Tyr Lys
1 5 10

<210> 45
<211> 10
<212> PRT
<213> Homo sapiens

<400> 45

Thr Val Ser Pro Leu Asn Thr Ser Tyr Arg
1 5 10

<210> 46
<211> 10
<212> PRT
<213> Homo sapiens

<400> 46

Arg Thr Leu Thr Leu Leu Ser Val Thr Arg
1 5 10

<210> 47
<211> 10
<212> PRT
<213> Homo sapiens

<400> 47

Arg Val Leu Thr Leu Leu Ser Val Thr Arg
1 5 10

<210> 48
<211> 11
<212> PRT
<213> Homo sapiens

<400> 48

Pro Thr Ile Ser Pro Ser Tyr Thr Tyr Tyr Arg
1 5 10

<210> 49
<211> 10
<212> PRT
<213> Homo sapiens

<400> 49

Thr Ile Ser Pro Ser Tyr Thr Tyr Tyr Arg
1 5 10

<210> 50
<211> 9
<212> PRT
<213> Homo sapiens

<400> 50

Ile Ser Pro Ser Tyr Thr Tyr Tyr Arg
1 5

<210> 51
<211> 9
<212> PRT
<213> Homo sapiens

<400> 51

Ile Val Pro Ser Tyr Thr Tyr Tyr Arg
1 5

<210> 52

<211> 10

<212> PRT

<213> Homo sapiens

<400> 52

Arg Thr Leu Thr Leu Phe Asn Val Thr Arg
1 5 10

<210> 53

<211> 10

<212> PRT

<213> Homo sapiens

<400> 53

Arg Val Leu Thr Leu Phe Asn Val Thr Arg
1 5 10

<210> 54

<211> 9

<212> PRT

<213> Homo sapiens

<400> 54

His Thr Gln Val Leu Phe Ile Ala Lys
1 5

<210> 55

<211> 9

<212> PRT

<213> Homo sapiens

<400> 55

Phe Val Ser Asn Leu Ala Thr Gly Arg
1 5

<210> 56

<211> 10

<212> PRT

<213> Homo sapiens

<400> 56

Gly Val Val Phe Gly Ile Leu Ile Lys Arg
1 5 10

<210> 57
<211> 9
<212> PRT
<213> Homo sapiens

<400> 57

Val Val Phe Gly Ile Leu Ile Lys Arg
1 5

<210> 58
<211> 10
<212> PRT
<213> Homo sapiens

<400> 58

Val Val Phe Gly Ile Leu Ile Lys Arg Arg
1 5 10

<210> 59
<211> 9
<212> PRT
<213> Homo sapiens

<400> 59

Val Val Phe Gly Ile Leu Ile Lys Lys
1 5

<210> 60
<211> 9
<212> PRT
<213> Homo sapiens

<400> 60

Lys Ile Arg Lys Tyr Thr Met Arg Arg
1 5

<210> 61
<211> 9
<212> PRT
<213> Homo sapiens

<400> 61

Lys Ile Arg Lys Tyr Thr Met Arg Lys
1 5

<210> 62
<211> 9
<212> PRT
<213> Homo sapiens

<400> 62

Val Leu Arg Glu Asn Thr Ser Pro Lys
1 5

<210> 63

<211> 9

<212> PRT

<213> Homo sapiens

<400> 63

Val Val Arg Glu Asn Thr Ser Pro Arg
1 5

<210> 64

<211> 9

<212> PRT

<213> Homo sapiens

<400> 64

Leu Leu Asp His Val Arg Glu Asn Arg
1 5

<210> 65

<211> 9

<212> PRT

<213> Homo sapiens

<400> 65

Leu Ala Ala Arg Asn Val Leu Val Lys
1 5

<210> 66

<211> 9

<212> PRT

<213> Homo sapiens

<400> 66

Leu Val Ala Arg Asn Val Leu Val Lys
1 5

<210> 67

<211> 9

<212> PRT

<213> Homo sapiens

<400> 67

Leu Val Lys Ser Pro Asn His Val Lys
1 5

<210> 68
<211> 9
<212> PRT
<213> Homo sapiens

<400> 68

Lys Ile Thr Asp Phe Gly Leu Ala Arg
1 5

<210> 69
<211> 9
<212> PRT
<213> Homo sapiens

<400> 69

Lys Val Thr Asp Phe Gly Leu Ala Arg
1 5

<210> 70
<211> 9
<212> PRT
<213> Homo sapiens

<400> 70

Met Ala Leu Glu Ser Ile Leu Arg Arg
1 5

<210> 71
<211> 9
<212> PRT
<213> Homo sapiens

<400> 71

Met Val Leu Glu Ser Ile Leu Arg Arg
1 5

<210> 72
<211> 9
<212> PRT
<213> Homo sapiens

<400> 72

Met Val Leu Glu Ser Ile Leu Arg Lys
1 5

<210> 73
<211> 10
<212> PRT
<213> Homo sapiens

<400> 73

Leu Val Ser Glu Phe Ser Arg Met Ala Arg
1 5 10

<210> 74
<211> 10
<212> PRT
<213> Homo sapiens

<400> 74

Leu Val Ser Glu Phe Ser Arg Met Ala Lys
1 5 10

<210> 75
<211> 10
<212> PRT
<213> Homo sapiens

<400> 75

Ala Ser Pro Leu Asp Ser Thr Phe Tyr Arg
1 5 10

<210> 76
<211> 9
<212> PRT
<213> Homo sapiens

<400> 76

Ser Ser Phe Ser Thr Thr Ile Asn Tyr
1 5

<210> 77
<211> 9
<212> PRT
<213> Homo sapiens

<400> 77

Ser Ser Phe Ser Thr Thr Ile Asn Lys
1 5

<210> 78
<211> 9
<212> PRT
<213> Homo sapiens

<400> 78

Ser Val Phe Ser Thr Thr Ile Asn Lys
1 5

<210> 79

<211> 9
<212> PRT
<213> Homo sapiens

<400> 79

Ser Val Phe Ser Thr Thr Ile Asn Arg
1 5

<210> 80
<211> 11
<212> PRT
<213> Homo sapiens

<400> 80

Phe Ser Thr Thr Ile Asn Tyr Thr Leu Trp Arg
1 5 10

<210> 81
<211> 10
<212> PRT
<213> Homo sapiens

<400> 81

Ser Thr Thr Ile Asn Tyr Thr Leu Trp Lys
1 5 10

<210> 82
<211> 9
<212> PRT
<213> Homo sapiens

<400> 82

Thr Thr Ile Asn Tyr Thr Leu Trp Arg
1 5

<210> 83
<211> 9
<212> PRT
<213> Homo sapiens

<400> 83

Thr Val Ile Asn Tyr Thr Leu Trp Arg
1 5

<210> 84
<211> 9
<212> PRT
<213> Homo sapiens

<400> 84

Thr Val Ile Asn Tyr Thr Leu Trp Lys
1 5

<210> 85
<211> 8
<212> PRT
<213> Homo sapiens

<400> 85

Leu Val His Phe Leu Leu Leu Lys
1 5

<210> 86
<211> 9
<212> PRT
<213> Homo sapiens

<400> 86

Leu Val His Phe Leu Leu Leu Lys Tyr
1 5

<210> 87
<211> 9
<212> PRT
<213> Homo sapiens

<400> 87

Leu Val His Phe Leu Leu Leu Lys Lys
1 5

<210> 88
<211> 9
<212> PRT
<213> Homo sapiens

<400> 88

Leu Val His Phe Leu Leu Leu Lys Arg
1 5

<210> 89
<211> 9
<212> PRT
<213> Homo sapiens

<400> 89

Ser Met Leu Glu Val Phe Glu Gly Arg
1 5

<210> 90
<211> 9

<212> PRT
<213> Homo sapiens

<400> 90

Ser Met Leu Glu Val Phe Glu Gly Lys
1 5

<210> 91
<211> 8
<212> PRT
<213> Homo sapiens

<400> 91

Ser Val Phe Ala His Pro Arg Lys
1 5

<210> 92
<211> 9
<212> PRT
<213> Homo sapiens

<400> 92

Ala Leu Ile Glu Thr Ser Tyr Val Lys
1 5

<210> 93
<211> 9
<212> PRT
<213> Homo sapiens

<400> 93

Ala Val Ile Glu Thr Ser Tyr Val Lys
1 5

<210> 94
<211> 9
<212> PRT
<213> Homo sapiens

<400> 94

Ala Val Ile Glu Thr Ser Tyr Val Arg
1 5

<210> 95
<211> 9
<212> PRT
<213> Homo sapiens

<400> 95

Ile Ser Tyr Pro Pro Leu His Glu Arg

1 5

<210> 96
<211> 9
<212> PRT
<213> Homo sapiens

<400> 96

Ile Val Tyr Pro Pro Leu His Glu Arg
1 5

<210> 97
<211> 9
<212> PRT
<213> Homo sapiens

<400> 97

Ile Val Tyr Pro Pro Leu His Glu Lys
1 5

<210> 98
<211> 9
<212> PRT
<213> Homo sapiens

<400> 98

Tyr Phe Phe Pro Val Ile Phe Ser Lys
1 5

<210> 99
<211> 9
<212> PRT
<213> Homo sapiens

<400> 99

Tyr Val Phe Pro Val Ile Phe Ser Lys
1 5

<210> 100
<211> 9
<212> PRT
<213> Homo sapiens

<400> 100

Tyr Val Phe Pro Val Ile Phe Ser Arg
1 5

<210> 101
<211> 10
<212> PRT

<213> Homo sapiens

<400> 101

Leu	Leu	Gly	Asp	Asn	Gln	Ile	Met	Pro	Lys
1				5					10

<210> 102

<211> 9

<212> PRT

<213> Homo sapiens

<400> 102

Ser	Val	Leu	Glu	Val	Phe	Glu	Gly	Arg
1				5				

<210> 103

<211> 9

<212> PRT

<213> Homo sapiens

<400> 103

Ser	Val	Leu	Glu	Val	Phe	Glu	Gly	Lys
1				5				

<210> 104

<211> 10

<212> PRT

<213> Homo sapiens

<400> 104

Lys	Thr	Tyr	Gln	Gly	Ser	Tyr	Gly	Phe	Lys
1				5					10

<210> 105

<211> 10

<212> PRT

<213> Homo sapiens

<400> 105

Lys	Val	Tyr	Gln	Gly	Ser	Tyr	Gly	Phe	Arg
1				5					10

<210> 106

<211> 10

<212> PRT

<213> Homo sapiens

<400> 106

Lys	Val	Tyr	Gln	Gly	Ser	Tyr	Gly	Phe	Lys
1				5					10

<210> 107
<211> 9
<212> PRT
<213> Homo sapiens

<400> 107

Cys Thr Tyr Ser Pro Ala Leu Asn Lys
1 5

<210> 108
<211> 9
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa = alpha-amino butyric acid

<400> 108

Xaa Val Tyr Ser Pro Ala Leu Asn Lys
1 5

<210> 109
<211> 9
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa = alpha-amino butyric acid

<400> 109

Xaa Val Tyr Ser Pro Ala Leu Asn Arg
1 5

<210> 110
<211> 8
<212> PRT
<213> Homo sapiens

<400> 110

Lys Met Phe Cys Gln Leu Ala Lys
1 5

<210> 111
<211> 11
<212> PRT
<213> Homo sapiens

<400> 111

Gly Thr Arg Val Arg Ala Met Ala Ile Tyr Lys
1 5 10

<210> 112

<211> 11

<212> PRT

<213> Homo sapiens

<400> 112

Gly Val Arg Val Arg Ala Met Ala Ile Tyr Lys
1 5 10

<210> 113

<211> 9

<212> PRT

<213> Homo sapiens

<400> 113

Arg Val Arg Ala Met Ala Ile Tyr Lys
1 5

<210> 114

<211> 9

<212> PRT

<213> Homo sapiens

<400> 114

Arg Val Arg Ala Met Ala Ile Tyr Arg
1 5

<210> 115

<211> 10

<212> PRT

<213> Homo sapiens

<400> 115

Val Val Arg Arg Cys Pro His His Glu Arg
1 5 10

<210> 116

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<222> (5)..(5)

<223> Xaa = alpha-amino butyric acid

<400> 116

Val Val Arg Arg Xaa Pro His His Glu Lys
1 5 10

<210> 117
<211> 9
<212> PRT
<213> Homo sapiens

<400> 117

Ser Ser Cys Met Gly Gly Met Asn Arg
1 5

<210> 118
<211> 9
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)..(3)
<223> Xaa = alpha-amino butyric acid

<400> 118

Ser Ser Xaa Met Gly Gly Met Asn Lys
1 5

<210> 119
<211> 9
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)..(3)
<223> Xaa = alpha-amino butyric acid

<400> 119

Ser Val Xaa Met Gly Gly Met Asn Arg
1 5

<210> 120
<211> 9
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)..(3)
<223> Xaa = alpha-amino butyric acid

<400> 120

Ser Val Xaa Met Gly Gly Met Asn Lys

1 5

<210> 121
<211> 10
<212> PRT
<213> Homo sapiens

<400> 121

Ser Ser Cys Met Gly Gly Met Asn Arg Arg
1 5 10

<210> 122
<211> 10
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)..(3)
<223> Xaa = alpha-amino butyric acid

<400> 122

Ser Ser Xaa Met Gly Gly Met Asn Arg Lys
1 5 10

<210> 123
<211> 10
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)..(3)
<223> Xaa = alpha-amino butyric acid

<400> 123

Ser Val Xaa Met Gly Gly Met Asn Arg Lys
1 5 10

<210> 124
<211> 8
<212> PRT
<213> Homo sapiens

<400> 124

Arg Val Cys Ala Cys Pro Gly Arg
1 5

<210> 125
<211> 11
<212> PRT
<213> Homo sapiens

<400> 125

Arg Val Cys Ala Cys Pro Gly Arg Asp Arg Arg
1 5 10

<210> 126

<211> 11

<212> PRT

<213> Homo sapiens

<400> 126

Ser Thr Ser Arg His Lys Lys Leu Met Phe Lys
1 5 10

<210> 127

<211> 11

<212> PRT

<213> Homo sapiens

<400> 127

Ser Val Ser Arg His Lys Lys Leu Met Phe Lys
1 5 10

<210> 128

<211> 11

<212> PRT

<213> Homo sapiens

<400> 128

Ser Val Ser Arg His Lys Lys Leu Met Phe Arg
1 5 10

<210> 129

<211> 10

<212> PRT

<213> Homo sapiens

<400> 129

Ile Pro Trp Gln Arg Leu Leu Leu Thr Ala
1 5 10

<210> 130

<211> 10

<212> PRT

<213> Homo sapiens

<400> 130

Ile Pro Trp Gln Arg Leu Leu Leu Thr Ile
1 5 10

<210> 131
<211> 10
<212> PRT
<213> Homo sapiens

<400> 131

Leu Pro Gln His Leu Phe Gly Tyr Ser Trp
1 5 10

<210> 132
<211> 10
<212> PRT
<213> Homo sapiens

<400> 132

Leu Pro Gln His Leu Phe Gly Tyr Ser Ile
1 5 10

<210> 133
<211> 8
<212> PRT
<213> Homo sapiens

<400> 133

Tyr Pro Asn Ala Ser Leu Leu Ile
1 5

<210> 134
<211> 8
<212> PRT
<213> Homo sapiens

<400> 134

Lys Pro Tyr Asp Gly Ile Pro Ala
1 5

<210> 135
<211> 8
<212> PRT
<213> Homo sapiens

<400> 135

Lys Pro Tyr Asp Gly Ile Pro Ile
1 5

<210> 136
<211> 9
<212> PRT
<213> Homo sapiens

<400> 136

Leu Pro Gln Pro Pro Ile Cys Thr Ile
1 5

<210> 137

<211> 11

<212> PRT

<213> Homo sapiens

<400> 137

Pro Pro Ser Pro Arg Glu Gly Pro Leu Pro Ala
1 5 10

<210> 138

<211> 11

<212> PRT

<213> Homo sapiens

<400> 138

Pro Pro Ser Pro Arg Glu Gly Pro Leu Pro Ile
1 5 10

<210> 139

<211> 9

<212> PRT

<213> Homo sapiens

<400> 139

Ser Pro Ala Phe Asp Asn Leu Tyr Ile
1 5

<210> 140

<211> 9

<212> PRT

<213> Homo sapiens

<400> 140

Val Pro Ile Ser His Leu Tyr Ile Leu
1 5

<210> 141

<211> 9

<212> PRT

<213> Homo sapiens

<400> 141

Val Pro Ile Ser His Leu Tyr Ala Leu
1 5

<210> 142
<211> 9
<212> PRT
<213> Homo sapiens

<400> 142

Val Pro Ile Ser Met Leu Tyr Ile Leu
1 5

<210> 143
<211> 10
<212> PRT
<213> Homo sapiens

<400> 143

Val Pro Ile Ser His Leu Tyr Ile Leu Val
1 5 10

<210> 144
<211> 10
<212> PRT
<213> Homo sapiens

<400> 144

Val Pro Ile Ser His Leu Tyr Ile Leu Ile
1 5 10

<210> 145
<211> 9
<212> PRT
<213> Homo sapiens

<400> 145

Leu Pro Thr Thr Met Asn Tyr Pro Leu
1 5

<210> 146
<211> 9
<212> PRT
<213> Homo sapiens

<400> 146

Leu Pro Thr Thr Met Asn Tyr Pro Ile
1 5

<210> 147
<211> 8
<212> PRT
<213> Homo sapiens

<400> 147

Tyr Pro Leu Trp Ser Gln Ser Tyr
1 5

<210> 148
<211> 8
<212> PRT
<213> Homo sapiens

<400> 148

Tyr Pro Leu Trp Ser Gln Ser Ile
1 5

<210> 149
<211> 8
<212> PRT
<213> Homo sapiens

<400> 149

Met Pro Lys Ala Gly Leu Leu Ile
1 5

<210> 150
<211> 9
<212> PRT
<213> Homo sapiens

<400> 150

Met Pro Lys Ala Gly Leu Leu Ile Ile
1 5

<210> 151
<211> 9
<212> PRT
<213> Homo sapiens

<400> 151

Met Pro Val Ala Gly Leu Leu Ile Ile
1 5

<210> 152
<211> 10
<212> PRT
<213> Homo sapiens

<400> 152

Met Pro Lys Ala Gly Leu Leu Ile Ile Val
1 5 10

<210> 153

<211> 10
<212> PRT
<213> Homo sapiens

<400> 153

Met Pro Lys Ala Gly Leu Leu Ile Ile Ile
1 5 10

<210> 154
<211> 9
<212> PRT
<213> Homo sapiens

<400> 154

Ala Pro Ala Ala Pro Thr Pro Ala Ala
1 5

<210> 155
<211> 11
<212> PRT
<213> Homo sapiens

<400> 155

Ala Pro Ala Ala Pro Thr Pro Ala Ala Pro Ala
1 5 10

<210> 156
<211> 8
<212> PRT
<213> Homo sapiens

<400> 156

Ala Pro Ala Pro Ala Pro Ser Trp
1 5

<210> 157
<211> 8
<212> PRT
<213> Homo sapiens

<400> 157

Ala Pro Ala Pro Ala Pro Ser Ile
1 5

<210> 158
<211> 11
<212> PRT
<213> Homo sapiens

<400> 158

Arg Val Asp Gly Asn Arg Gln Ile Ile Gly Tyr
1 5 10

<210> 159
<211> 9
<212> PRT
<213> Homo sapiens

<400> 159

Gln Gln Ala Thr Pro Gly Pro Ala Tyr
1 5

<210> 160
<211> 9
<212> PRT
<213> Homo sapiens

<400> 160

Gln Gln Asp Thr Pro Gly Pro Ala Tyr
1 5

<210> 161
<211> 11
<212> PRT
<213> Homo sapiens

<400> 161

Arg Ser Asp Ser Val Ile Leu Asn Val Leu Tyr
1 5 10

<210> 162
<211> 10
<212> PRT
<213> Homo sapiens

<400> 162

Pro Thr Ile Ser Pro Leu Asn Thr Ser Tyr
1 5 10

<210> 163
<211> 10
<212> PRT
<213> Homo sapiens

<400> 163

Pro Thr Asp Ser Pro Leu Asn Thr Ser Tyr
1 5 10

<210> 164
<211> 9

<212> PRT
<213> Homo sapiens

<400> 164

Ala Ala Ser Asn Pro Pro Ala Gln Tyr
1 5

<210> 165
<211> 9
<212> PRT
<213> Homo sapiens

<400> 165

Ala Ala Asp Asn Pro Pro Ala Gln Tyr
1 5

<210> 166
<211> 9
<212> PRT
<213> Homo sapiens

<400> 166

Ile Thr Val Asn Asn Ser Gly Ser Tyr
1 5

<210> 167
<211> 9
<212> PRT
<213> Homo sapiens

<400> 167

Ile Thr Asp Asn Asn Ser Gly Ser Tyr
1 5

<210> 168
<211> 9
<212> PRT
<213> Homo sapiens

<400> 168

Val Thr Arg Asn Asp Val Gly Pro Tyr
1 5

<210> 169
<211> 9
<212> PRT
<213> Homo sapiens

<400> 169

Val Thr Asp Asn Asp Val Gly Pro Tyr

1 5

<210> 170
<211> 11
<212> PRT
<213> Homo sapiens

<400> 170

His Ser Asp Pro Val Ile Leu Asn Val Leu Tyr
1 5 10

<210> 171
<211> 10
<212> PRT
<213> Homo sapiens

<400> 171

Pro Thr Ile Ser Pro Ser Tyr Thr Tyr Tyr
1 5 10

<210> 172
<211> 10
<212> PRT
<213> Homo sapiens

<400> 172

Pro Thr Asp Ser Pro Ser Tyr Thr Tyr Tyr
1 5 10

<210> 173
<211> 9
<212> PRT
<213> Homo sapiens

<400> 173

Pro Thr Ile Ser Pro Ser Tyr Thr Tyr
1 5

<210> 174
<211> 9
<212> PRT
<213> Homo sapiens

<400> 174

Pro Thr Asp Ser Pro Ser Tyr Thr Tyr
1 5

<210> 175
<211> 9
<212> PRT

<213> Homo sapiens

<400> 175

Thr Ile Ser Pro Ser Tyr Thr Tyr Tyr
1 5

<210> 176

<211> 9

<212> PRT

<213> Homo sapiens

<400> 176

Thr Ile Asp Pro Ser Tyr Thr Tyr Tyr
1 5

<210> 177

<211> 10

<212> PRT

<213> Homo sapiens

<400> 177

His Ala Ala Ser Asn Pro Pro Ala Gln Tyr
1 5 10

<210> 178

<211> 9

<212> PRT

<213> Homo sapiens

<400> 178

Ala Ala Asp Asn Pro Pro Ala Gln Tyr
1 5

<210> 179

<211> 9

<212> PRT

<213> Homo sapiens

<400> 179

Ile Thr Glu Lys Asn Ser Gly Leu Tyr
1 5

<210> 180

<211> 9

<212> PRT

<213> Homo sapiens

<400> 180

Ile Thr Asp Lys Asn Ser Gly Leu Tyr
1 5

<210> 181
<211> 11
<212> PRT
<213> Homo sapiens

<400> 181

Arg	Ser	Asp	Pro	Val	Thr	Leu	Asp	Val	Leu	Tyr
1				5					10	

<210> 182
<211> 10
<212> PRT
<213> Homo sapiens

<400> 182

His	Ser	Ala	Ser	Asn	Pro	Ser	Pro	Gln	Tyr
1				5					10

<210> 183
<211> 10
<212> PRT
<213> Homo sapiens

<400> 183

His	Thr	Ala	Ser	Asn	Pro	Ser	Pro	Gln	Tyr
1				5					10

<210> 184
<211> 10
<212> PRT
<213> Homo sapiens

<400> 184

His	Ser	Asp	Ser	Asn	Pro	Ser	Pro	Gln	Tyr
1				5					10

<210> 185
<211> 9
<212> PRT
<213> Homo sapiens

<400> 185

Val	Met	Ala	Gly	Val	Gly	Ser	Pro	Tyr
1				5				

<210> 186
<211> 9
<212> PRT
<213> Homo sapiens

<400> 186

Val Met Asp Gly Val Gly Ser Pro Tyr
1 5

<210> 187

<211> 10

<212> PRT

<213> Homo sapiens

<400> 187

Cys Met Gln Ile Ala Lys Gly Met Ser Tyr
1 5 10

<210> 188

<211> 10

<212> PRT

<213> Homo sapiens

<400> 188

Cys Thr Gln Ile Ala Lys Gly Met Ser Tyr
1 5 10

<210> 189

<211> 9

<212> PRT

<213> Homo sapiens

<400> 189

Leu Leu Asp Ile Asp Glu Thr Glu Tyr
1 5

<210> 190

<211> 9

<212> PRT

<213> Homo sapiens

<400> 190

Leu Thr Asp Ile Asp Glu Thr Glu Tyr
1 5

<210> 191

<211> 10

<212> PRT

<213> Homo sapiens

<400> 191

Phe Thr His Gln Ser Asp Val Trp Ser Tyr
1 5 10

<210> 192
<211> 10
<212> PRT
<213> Homo sapiens

<400> 192

Phe	Thr	Asp	Gln	Ser	Asp	Val	Trp	Ser	Tyr
1				5					10

<210> 193
<211> 10
<212> PRT
<213> Homo sapiens

<400> 193

Pro	Ala	Ser	Pro	Leu	Asp	Ser	Thr	Phe	Tyr
1				5					10

<210> 194
<211> 10
<212> PRT
<213> Homo sapiens

<400> 194

Pro	Ala	Asp	Pro	Leu	Asp	Ser	Thr	Phe	Tyr
1				5					10

<210> 195
<211> 9
<212> PRT
<213> Homo sapiens

<400> 195

Ala	Ser	Pro	Leu	Asp	Ser	Thr	Phe	Tyr
1				5				

<210> 196
<211> 9
<212> PRT
<213> Homo sapiens

<400> 196

Ala	Thr	Pro	Leu	Asp	Ser	Thr	Phe	Tyr
1				5				

<210> 197
<211> 10
<212> PRT
<213> Homo sapiens

<400> 197

Met Gly Asp Leu Val Asp Ala Glu Glu Tyr
1 5 10

<210> 198

<211> 10

<212> PRT

<213> Homo sapiens

<400> 198

Met Thr Asp Leu Val Asp Ala Glu Glu Tyr
1 5 10

<210> 199

<211> 9

<212> PRT

<213> Homo sapiens

<400> 199

Leu Thr Cys Ser Pro Gln Pro Glu Tyr
1 5

<210> 200

<211> 9

<212> PRT

<213> Homo sapiens

<400> 200

Leu Thr Asp Ser Pro Gln Pro Glu Tyr
1 5

<210> 201

<211> 10

<212> PRT

<213> Homo sapiens

<400> 201

Phe Ser Pro Ala Phe Asp Asn Leu Tyr Tyr
1 5 10

<210> 202

<211> 10

<212> PRT

<213> Homo sapiens

<400> 202

Phe Thr Pro Ala Phe Asp Asn Leu Tyr Tyr
1 5 10

<210> 203
<211> 9
<212> PRT
<213> Homo sapiens

<400> 203

Phe Ser Pro Ala Phe Asp Asn Leu Tyr
1 5

<210> 204
<211> 9
<212> PRT
<213> Homo sapiens

<400> 204

Phe Thr Pro Ala Phe Asp Asn Leu Tyr
1 5

<210> 205
<211> 9
<212> PRT
<213> Homo sapiens

<400> 205

Ser Pro Ala Phe Asp Asn Leu Tyr Tyr
1 5

<210> 206
<211> 9
<212> PRT
<213> Homo sapiens

<400> 206

Ser Pro Asp Phe Asp Asn Leu Tyr Tyr
1 5

<210> 207
<211> 10
<212> PRT
<213> Homo sapiens

<400> 207

Gly Thr Pro Thr Ala Glu Asn Pro Glu Tyr
1 5 10

<210> 208
<211> 10
<212> PRT
<213> Homo sapiens

<400> 208

Gly Thr Asp Thr Ala Glu Asn Pro Glu Tyr
1 5 10

<210> 209
<211> 10
<212> PRT
<213> Homo sapiens

<400> 209

Ala Ser Ser Phe Ser Thr Thr Ile Asn Tyr
1 5 10

<210> 210
<211> 10
<212> PRT
<213> Homo sapiens

<400> 210

Ala Thr Ser Phe Ser Thr Thr Ile Asn Tyr
1 5 10

<210> 211
<211> 10
<212> PRT
<213> Homo sapiens

<400> 211

Ala Ser Asp Phe Ser Thr Thr Ile Asn Tyr
1 5 10

<210> 212
<211> 9
<212> PRT
<213> Homo sapiens

<400> 212

Ser Ser Phe Ser Thr Thr Ile Asn Tyr
1 5

<210> 213
<211> 9
<212> PRT
<213> Homo sapiens

<400> 213

Ser Thr Phe Ser Thr Thr Ile Asn Tyr
1 5

<210> 214

<211> 11
<212> PRT
<213> Homo sapiens

<400> 214

Val Val Glu Val Val Pro Ile Ser His Leu Tyr
1 5 10

<210> 215
<211> 8
<212> PRT
<213> Homo sapiens

<400> 215

Val Thr Cys Leu Gly Leu Ser Tyr
1 5

<210> 216
<211> 8
<212> PRT
<213> Homo sapiens

<400> 216

Val Thr Asp Leu Gly Leu Ser Tyr
1 5

<210> 217
<211> 10
<212> PRT
<213> Homo sapiens

<400> 217

Leu Met Gln Asp Leu Val Gln Glu Asn Tyr
1 5 10

<210> 218
<211> 10
<212> PRT
<213> Homo sapiens

<400> 218

Leu Thr Gln Asp Leu Val Gln Glu Asn Tyr
1 5 10

<210> 219
<211> 9
<212> PRT
<213> Homo sapiens

<400> 219

Met Gln Asp Leu Val Gln Glu Asn Tyr
1 5

<210> 220
<211> 9
<212> PRT
<213> Homo sapiens

<400> 220

Met Thr Asp Leu Val Gln Glu Asn Tyr
1 5

<210> 221
<211> 10
<212> PRT
<213> Homo sapiens

<400> 221

Ala Ser Ser Leu Pro Thr Thr Met Asn Tyr
1 5 10

<210> 222
<211> 10
<212> PRT
<213> Homo sapiens

<400> 222

Ala Thr Ser Leu Pro Thr Thr Met Asn Tyr
1 5 10

<210> 223
<211> 10
<212> PRT
<213> Homo sapiens

<400> 223

Ala Ser Asp Leu Pro Thr Thr Met Asn Tyr
1 5 10

<210> 224
<211> 9
<212> PRT
<213> Homo sapiens

<400> 224

Ser Ser Leu Pro Thr Thr Met Asn Tyr
1 5

<210> 225
<211> 9

<212> PRT
<213> Homo sapiens

<400> 225

Ser Thr Leu Pro Thr Thr Met Asn Tyr
1 5

<210> 226
<211> 11
<212> PRT
<213> Homo sapiens

<400> 226

Thr Met Asn Tyr Pro Leu Trp Ser Gln Ser Tyr
1 5 10

<210> 227
<211> 9
<212> PRT
<213> Homo sapiens

<400> 227

Gly Ser Val Val Gly Asn Trp Gln Tyr
1 5

<210> 228
<211> 9
<212> PRT
<213> Homo sapiens

<400> 228

Gly Thr Val Val Gly Asn Trp Gln Tyr
1 5

<210> 229
<211> 11
<212> PRT
<213> Homo sapiens

<400> 229

Leu Met Glu Val Asp Pro Ile Gly His Leu Tyr
1 5 10

<210> 230
<211> 9
<212> PRT
<213> Homo sapiens

<400> 230

Glu Val Asp Pro Ile Gly His Leu Tyr

1 5

<210> 231
<211> 9
<212> PRT
<213> Homo sapiens

<400> 231

Glu Thr Asp Pro Ile Gly His Leu Tyr
1 5

<210> 232
<211> 8
<212> PRT
<213> Homo sapiens

<400> 232

Ala Thr Cys Leu Gly Leu Ser Tyr
1 5

<210> 233
<211> 10
<212> PRT
<213> Homo sapiens

<400> 233

Leu Thr Gln His Phe Val Gln Glu Asn Tyr
1 5 10

<210> 234
<211> 10
<212> PRT
<213> Homo sapiens

<400> 234

Leu Thr Asp His Phe Val Gln Glu Asn Tyr
1 5 10

<210> 235
<211> 9
<212> PRT
<213> Homo sapiens

<400> 235

Ile Ser Gly Gly Pro His Ile Ser Tyr
1 5

<210> 236
<211> 9
<212> PRT

<213> Homo sapiens

<400> 236

Ile Thr Gly Gly Pro His Ile Ser Tyr
1 5

<210> 237

<211> 10

<212> PRT

<213> Homo sapiens

<400> 237

Pro Ser Gln Lys Thr Tyr Gln Gly Ser Tyr
1 5 10

<210> 238

<211> 10

<212> PRT

<213> Homo sapiens

<400> 238

Pro Thr Gln Lys Thr Tyr Gln Gly Ser Tyr
1 5 10

<210> 239

<211> 10

<212> PRT

<213> Homo sapiens

<400> 239

Gly Thr Ala Lys Ser Val Thr Cys Thr Tyr
1 5 10

<210> 240

<211> 10

<212> PRT

<213> Homo sapiens

<400> 240

Gly Thr Asp Lys Ser Val Thr Cys Thr Tyr
1 5 10

<210> 241

<211> 10

<212> PRT

<213> Homo sapiens

<400> 241

Arg Val Glu Gly Asn Leu Arg Val Glu Tyr
1 5 10

<210> 242
<211> 10
<212> PRT
<213> Homo sapiens

<400> 242

Arg	Val	Asp	Gly	Asn	Leu	Arg	Val	Glu	Tyr
1				5					10

<210> 243
<211> 10
<212> PRT
<213> Homo sapiens

<400> 243

Val	Gly	Ser	Asp	Cys	Thr	Thr	Ile	His	Tyr
1				5					10

<210> 244
<211> 9
<212> PRT
<213> Homo sapiens

<400> 244

Gly	Ser	Asp	Cys	Thr	Thr	Ile	His	Tyr
1				5				

<210> 245
<211> 9
<212> PRT
<213> Homo sapiens

<400> 245

Gly	Thr	Asp	Cys	Thr	Thr	Ile	His	Tyr
1				5				

<210> 246
<211> 11
<212> PRT
<213> Homo sapiens

<400> 246

Gly	Ser	Asp	Cys	Thr	Thr	Ile	His	Tyr	Asn	Tyr
1				5					10	

<210> 247
<211> 9
<212> PRT
<213> Homo sapiens

<400> 247

Arg Trp Cys Ile Pro Trp Gln Arg Leu
1 5

<210> 248

<211> 9

<212> PRT

<213> Homo sapiens

<400> 248

Arg Tyr Cys Ile Pro Trp Gln Arg Phe
1 5

<210> 249

<211> 10

<212> PRT

<213> Homo sapiens

<400> 249

Arg Trp Cys Ile Pro Trp Gln Arg Leu Leu
1 5 10

<210> 250

<211> 10

<212> PRT

<213> Homo sapiens

<400> 250

Arg Tyr Cys Ile Pro Trp Gln Arg Leu Phe
1 5 10

<210> 251

<211> 11

<212> PRT

<213> Homo sapiens

<400> 251

Arg Trp Cys Ile Pro Trp Gln Arg Leu Leu Leu
1 5 10

<210> 252

<211> 11

<212> PRT

<213> Homo sapiens

<400> 252

Pro Trp Gln Arg Leu Leu Leu Thr Ala Ser Leu
1 5 10

<210> 253
<211> 10
<212> PRT
<213> Homo sapiens

<400> 253

Phe Trp Asn Pro Pro Thr Thr Ala Lys Leu
1 5 10

<210> 254
<211> 10
<212> PRT
<213> Homo sapiens

<400> 254

Phe Tyr Asn Pro Pro Thr Thr Ala Lys Phe
1 5 10

<210> 255
<211> 8
<212> PRT
<213> Homo sapiens

<400> 255

Ile Tyr Pro Asn Ala Ser Leu Leu
1 5

<210> 256
<211> 9
<212> PRT
<213> Homo sapiens

<400> 256

Ile Tyr Pro Asn Ala Ser Leu Leu Ile
1 5

<210> 257
<211> 9
<212> PRT
<213> Homo sapiens

<400> 257

Ile Tyr Pro Asn Ala Ser Leu Leu Phe
1 5

<210> 258
<211> 11
<212> PRT
<213> Homo sapiens

<400> 258

Phe Tyr Thr Leu His Val Ile Lys Ser Asp Leu
1 5 10

<210> 259

<211> 10

<212> PRT

<213> Homo sapiens

<400> 259

Val Tyr Pro Glu Leu Pro Lys Pro Ser Ile
1 5 10

<210> 260

<211> 10

<212> PRT

<213> Homo sapiens

<400> 260

Val Tyr Pro Glu Leu Pro Lys Pro Ser Phe
1 5 10

<210> 261

<211> 9

<212> PRT

<213> Homo sapiens

<400> 261

Leu Trp Trp Val Asn Asn Gln Ser Leu
1 5

<210> 262

<211> 9

<212> PRT

<213> Homo sapiens

<400> 262

Leu Tyr Trp Val Asn Asn Gln Ser Phe
1 5

<210> 263

<211> 9

<212> PRT

<213> Homo sapiens

<400> 263

Leu Tyr Gly Pro Asp Ala Pro Thr Ile
1 5

<210> 264
<211> 9
<212> PRT
<213> Homo sapiens

<400> 264

Leu Tyr Gly Pro Asp Ala Pro Thr Phe
1 5

<210> 265
<211> 10
<212> PRT
<213> Homo sapiens

<400> 265

Gln Tyr Ser Trp Phe Val Asn Gly Thr Phe
1 5 10

<210> 266
<211> 8
<212> PRT
<213> Homo sapiens

<400> 266

Ser Trp Phe Val Asn Gly Thr Phe
1 5

<210> 267
<211> 10
<212> PRT
<213> Homo sapiens

<400> 267

Thr Phe Gln Gln Ser Thr Gln Glu Leu Phe
1 5 10

<210> 268
<211> 10
<212> PRT
<213> Homo sapiens

<400> 268

Thr Tyr Gln Gln Ser Thr Gln Glu Leu Phe
1 5 10

<210> 269
<211> 9
<212> PRT
<213> Homo sapiens

<400> 269

Val Tyr Ala Glu Pro Pro Lys Pro Phe
1 5

<210> 270
<211> 10
<212> PRT
<213> Homo sapiens

<400> 270

Val Tyr Ala Glu Pro Pro Lys Pro Phe Ile
1 5 10

<210> 271
<211> 10
<212> PRT
<213> Homo sapiens

<400> 271

Val Tyr Ala Glu Pro Pro Lys Pro Phe Phe
1 5 10

<210> 272
<211> 11
<212> PRT
<213> Homo sapiens

<400> 272

Thr Tyr Leu Trp Trp Val Asn Asn Gln Ser Leu
1 5 10

<210> 273
<211> 9
<212> PRT
<213> Homo sapiens

<400> 273

Leu Tyr Gly Pro Asp Asp Pro Thr Ile
1 5

<210> 274
<211> 11
<212> PRT
<213> Homo sapiens

<400> 274

Ser Tyr Thr Tyr Tyr Arg Pro Gly Val Asn Leu
1 5 10

<210> 275

<211> 9
<212> PRT
<213> Homo sapiens

<400> 275

Thr Tyr Tyr Arg Pro Gly Val Asn Leu
1 5

<210> 276
<211> 9
<212> PRT
<213> Homo sapiens

<400> 276

Thr Tyr Tyr Arg Pro Gly Val Asn Phe
1 5

<210> 277
<211> 11
<212> PRT
<213> Homo sapiens

<400> 277

Thr Tyr Tyr Arg Pro Gly Val Asn Leu Ser Leu
1 5 10

<210> 278
<211> 10
<212> PRT
<213> Homo sapiens

<400> 278

Tyr Tyr Arg Pro Gly Val Asn Leu Ser Leu
1 5 10

<210> 279
<211> 10
<212> PRT
<213> Homo sapiens

<400> 279

Tyr Tyr Arg Pro Gly Val Asn Leu Ser Phe
1 5 10

<210> 280
<211> 10
<212> PRT
<213> Homo sapiens

<400> 280

Gln Tyr Ser Trp Leu Ile Asp Gly Asn Ile
1 5 10

<210> 281
<211> 10
<212> PRT
<213> Homo sapiens

<400> 281

Gln Tyr Ser Trp Leu Ile Asp Gly Asn Phe
1 5 10

<210> 282
<211> 11
<212> PRT
<213> Homo sapiens

<400> 282

Thr Tyr Leu Trp Trp Val Asn Gly Gln Ser Leu
1 5 10

<210> 283
<211> 9
<212> PRT
<213> Homo sapiens

<400> 283

Leu Trp Trp Val Asn Gly Gln Ser Leu
1 5

<210> 284
<211> 9
<212> PRT
<213> Homo sapiens

<400> 284

Leu Tyr Trp Val Asn Gly Gln Ser Phe
1 5

<210> 285
<211> 9
<212> PRT
<213> Homo sapiens

<400> 285

Leu Tyr Gly Pro Asp Thr Pro Ile Ile
1 5

<210> 286
<211> 10

<212> PRT
<213> Homo sapiens

<400> 286

Ser Tyr Leu Ser Gly Ala Asn Leu Asn Leu
1 5 10

<210> 287
<211> 10
<212> PRT
<213> Homo sapiens

<400> 287

Ser Tyr Leu Ser Gly Ala Asn Leu Asn Phe
1 5 10

<210> 288
<211> 9
<212> PRT
<213> Homo sapiens

<400> 288

Gln Tyr Ser Trp Arg Ile Asn Gly Ile
1 5

<210> 289
<211> 9
<212> PRT
<213> Homo sapiens

<400> 289

Gln Tyr Ser Trp Arg Ile Asn Gly Phe
1 5

<210> 290
<211> 9
<212> PRT
<213> Homo sapiens

<400> 290

Thr Tyr Ala Cys Phe Val Ser Asn Leu
1 5

<210> 291
<211> 9
<212> PRT
<213> Homo sapiens

<400> 291

Thr Tyr Ala Cys Phe Val Ser Asn Phe

1 5

<210> 292
<211> 9
<212> PRT
<213> Homo sapiens

<400> 292

Pro Tyr Val Ser Arg Leu Leu Gly Ile
1 5

<210> 293
<211> 9
<212> PRT
<213> Homo sapiens

<400> 293

Pro Tyr Val Ser Arg Leu Leu Gly Phe
1 5

<210> 294
<211> 11
<212> PRT
<213> Homo sapiens

<400> 294

Pro Tyr Val Ser Arg Leu Leu Gly Ile Cys Leu
1 5 10

<210> 295
<211> 10
<212> PRT
<213> Homo sapiens

<400> 295

Gly Met Ser Tyr Leu Glu Asp Val Arg Leu
1 5 10

<210> 296
<211> 10
<212> PRT
<213> Homo sapiens

<400> 296

Gly Tyr Ser Tyr Leu Glu Asp Val Arg Phe
1 5 10

<210> 297
<211> 9
<212> PRT

<213> Homo sapiens

<400> 297

Lys Trp Met Ala Leu Glu Ser Ile Leu
1 5

<210> 298

<211> 9

<212> PRT

<213> Homo sapiens

<400> 298

Lys Tyr Met Ala Leu Glu Ser Ile Phe
1 5

<210> 299

<211> 9

<212> PRT

<213> Homo sapiens

<400> 299

Arg Phe Thr His Gln Ser Asp Val Trp
1 5

<210> 300

<211> 9

<212> PRT

<213> Homo sapiens

<400> 300

Arg Tyr Thr His Gln Ser Asp Val Phe
1 5

<210> 301

<211> 9

<212> PRT

<213> Homo sapiens

<400> 301

Val Trp Ser Tyr Gly Val Thr Val Trp
1 5

<210> 302

<211> 9

<212> PRT

<213> Homo sapiens

<400> 302

Val Tyr Ser Tyr Gly Val Thr Val Phe
1 5

<210> 303
<211> 11
<212> PRT
<213> Homo sapiens

<400> 303

Val Trp Ser Tyr Gly Val Thr Val Trp Glu Leu
1 5 10

<210> 304
<211> 9
<212> PRT
<213> Homo sapiens

<400> 304

Ser Tyr Gly Val Thr Val Trp Glu Leu
1 5

<210> 305
<211> 9
<212> PRT
<213> Homo sapiens

<400> 305

Ser Tyr Gly Val Thr Val Trp Glu Phe
1 5

<210> 306
<211> 9
<212> PRT
<213> Homo sapiens

<400> 306

Val Tyr Met Ile Met Val Lys Cys Trp
1 5

<210> 307
<211> 9
<212> PRT
<213> Homo sapiens

<400> 307

Val Tyr Met Ile Met Val Lys Cys Phe
1 5

<210> 308
<211> 11
<212> PRT
<213> Homo sapiens

<400> 308

Val Tyr Met Ile Met Val Lys Cys Trp Met Ile
1 5 10

<210> 309

<211> 9

<212> PRT

<213> Homo sapiens

<400> 309

Arg Phe Arg Glu Leu Val Ser Glu Phe
1 5

<210> 310

<211> 9

<212> PRT

<213> Homo sapiens

<400> 310

Arg Tyr Arg Glu Leu Val Ser Glu Phe
1 5

<210> 311

<211> 9

<212> PRT

<213> Homo sapiens

<400> 311

Arg Met Ala Arg Asp Pro Gln Arg Phe
1 5

<210> 312

<211> 9

<212> PRT

<213> Homo sapiens

<400> 312

Arg Tyr Ala Arg Asp Pro Gln Arg Phe
1 5

<210> 313

<211> 11

<212> PRT

<213> Homo sapiens

<400> 313

Ser Phe Ser Thr Thr Ile Asn Tyr Thr Leu Trp
1 5 10

<210> 314
<211> 10
<212> PRT
<213> Homo sapiens

<400> 314

Ser Tyr Ser Thr Thr Ile Asn Tyr Thr Phe
1 5 10

<210> 315
<211> 9
<212> PRT
<213> Homo sapiens

<400> 315

Met Phe Pro Asp Leu Glu Ser Glu Phe
1 5

<210> 316
<211> 9
<212> PRT
<213> Homo sapiens

<400> 316

Met Tyr Pro Asp Leu Glu Ser Glu Phe
1 5

<210> 317
<211> 9
<212> PRT
<213> Homo sapiens

<400> 317

Lys Met Val Glu Leu Val His Phe Leu
1 5

<210> 318
<211> 9
<212> PRT
<213> Homo sapiens

<400> 318

Lys Tyr Val Glu Leu Val His Phe Phe
1 5

<210> 319
<211> 11
<212> PRT
<213> Homo sapiens

<400> 319

Ile Phe Ser Lys Ala Ser Glu Tyr Leu Gln Leu
1 5 10

<210> 320

<211> 9

<212> PRT

<213> Homo sapiens

<400> 320

Ile Tyr Ser Lys Ala Ser Glu Tyr Phe
1 5

<210> 321

<211> 9

<212> PRT

<213> Homo sapiens

<400> 321

Glu Tyr Leu Gln Leu Val Phe Gly Ile
1 5

<210> 322

<211> 9

<212> PRT

<213> Homo sapiens

<400> 322

Glu Tyr Leu Gln Leu Val Phe Gly Phe
1 5

<210> 323

<211> 10

<212> PRT

<213> Homo sapiens

<400> 323

Leu Tyr Ile Leu Val Thr Cys Leu Gly Leu
1 5 10

<210> 324

<211> 10

<212> PRT

<213> Homo sapiens

<400> 324

Leu Tyr Ile Leu Val Thr Cys Leu Gly Phe
1 5 10

<210> 325
<211> 9
<212> PRT
<213> Homo sapiens

<400> 325

Val Met Pro Lys Thr Gly Leu Leu Ile
1 5

<210> 326
<211> 9
<212> PRT
<213> Homo sapiens

<400> 326

Val Tyr Pro Lys Thr Gly Leu Leu Phe
1 5

<210> 327
<211> 10
<212> PRT
<213> Homo sapiens

<400> 327

Val Met Pro Lys Thr Gly Leu Leu Ile Ile
1 5 10

<210> 328
<211> 10
<212> PRT
<213> Homo sapiens

<400> 328

Val Tyr Pro Lys Thr Gly Leu Leu Ile Phe
1 5 10

<210> 329
<211> 10
<212> PRT
<213> Homo sapiens

<400> 329

Glu Phe Leu Trp Gly Pro Arg Ala Leu Ile
1 5 10

<210> 330
<211> 10
<212> PRT
<213> Homo sapiens

<400> 330

Glu Tyr Leu Trp Gly Pro Arg Ala Leu Phe
1 5 10

<210> 331
<211> 8
<212> PRT
<213> Homo sapiens

<400> 331

Leu Trp Gly Pro Arg Ala Leu Ile
1 5

<210> 332
<211> 10
<212> PRT
<213> Homo sapiens

<400> 332

Ser Tyr Val Lys Val Leu His His Thr Leu
1 5 10

<210> 333
<211> 10
<212> PRT
<213> Homo sapiens

<400> 333

Ser Tyr Val Lys Val Leu His His Thr Phe
1 5 10

<210> 334
<211> 9
<212> PRT
<213> Homo sapiens

<400> 334

Thr Phe Pro Asp Leu Glu Ser Glu Phe
1 5

<210> 335
<211> 9
<212> PRT
<213> Homo sapiens

<400> 335

Thr Tyr Pro Asp Leu Glu Ser Glu Phe
1 5

<210> 336

<211> 9
<212> PRT
<213> Homo sapiens

<400> 336

Asn Trp Gln Tyr Phe Phe Pro Val Ile
1 5

<210> 337
<211> 9
<212> PRT
<213> Homo sapiens

<400> 337

Asn Tyr Gln Tyr Phe Phe Pro Val Phe
1 5

<210> 338
<211> 10
<212> PRT
<213> Homo sapiens

<400> 338

Asn Tyr Gln Tyr Phe Phe Pro Val Ile Phe
1 5 10

<210> 339
<211> 8
<212> PRT
<213> Homo sapiens

<400> 339

Gln Tyr Phe Phe Pro Val Ile Phe
1 5

<210> 340
<211> 9
<212> PRT
<213> Homo sapiens

<400> 340

Ile Phe Ser Lys Ala Ser Ser Ser Leu
1 5

<210> 341
<211> 9
<212> PRT
<213> Homo sapiens

<400> 341

Ile Tyr Ser Lys Ala Ser Ser Ser Phe
1 5

<210> 342
<211> 11
<212> PRT
<213> Homo sapiens

<400> 342

Ile Phe Ser Lys Ala Ser Ser Ser Leu Gln Leu
1 5 10

<210> 343
<211> 10
<212> PRT
<213> Homo sapiens

<400> 343

Leu Tyr Ile Phe Ala Thr Cys Leu Gly Leu
1 5 10

<210> 344
<211> 10
<212> PRT
<213> Homo sapiens

<400> 344

Leu Tyr Ile Phe Ala Thr Cys Leu Gly Phe
1 5 10

<210> 345
<211> 9
<212> PRT
<213> Homo sapiens

<400> 345

Ile Met Pro Lys Ala Gly Leu Leu Ile
1 5

<210> 346
<211> 9
<212> PRT
<213> Homo sapiens

<400> 346

Ile Tyr Pro Lys Ala Gly Leu Leu Phe
1 5

<210> 347
<211> 10

<212> PRT
<213> Homo sapiens

<400> 347

Ile Met Pro Lys Ala Gly Leu Leu Ile Ile
1 5 10

<210> 348
<211> 10
<212> PRT
<213> Homo sapiens

<400> 348

Ile Tyr Pro Lys Ala Gly Leu Leu Ile Phe
1 5 10

<210> 349
<211> 11
<212> PRT
<213> Homo sapiens

<400> 349

Ile Trp Glu Glu Leu Ser Val Leu Glu Val Phe
1 5 10

<210> 350
<211> 8
<212> PRT
<213> Homo sapiens

<400> 350

Ser Tyr Pro Pro Leu His Glu Trp
1 5

<210> 351
<211> 10
<212> PRT
<213> Homo sapiens

<400> 351

Ser Tyr Pro Pro Leu His Glu Trp Val Leu
1 5 10

<210> 352
<211> 10
<212> PRT
<213> Homo sapiens

<400> 352

Ser Tyr Pro Pro Leu His Glu Trp Val Phe

1 5 10

<210> 353
<211> 9
<212> PRT
<213> Homo sapiens

<400> 353

Thr Phe Ser Asp Leu Trp Lys Leu Leu
1 5

<210> 354
<211> 9
<212> PRT
<213> Homo sapiens

<400> 354

Thr Tyr Ser Asp Leu Trp Lys Leu Phe
1 5

<210> 355
<211> 8
<212> PRT
<213> Homo sapiens

<400> 355

Thr Tyr Gln Gly Ser Tyr Gly Phe
1 5

<210> 356
<211> 10
<212> PRT
<213> Homo sapiens

<400> 356

Thr Tyr Gln Gly Ser Tyr Gly Phe Arg Leu
1 5 10

<210> 357
<211> 10
<212> PRT
<213> Homo sapiens

<400> 357

Thr Tyr Gln Gly Ser Tyr Gly Phe Arg Phe
1 5 10

<210> 358
<211> 8
<212> PRT

<213> Homo sapiens

<400> 358

Ser Tyr Gly Phe Arg Leu Gly Phe
1 5

<210> 359

<211> 9

<212> PRT

<213> Homo sapiens

<400> 359

Ser Tyr Gly Phe Arg Leu Gly Phe Leu
1 5

<210> 360

<211> 9

<212> PRT

<213> Homo sapiens

<400> 360

Ser Tyr Gly Phe Arg Leu Gly Phe Phe
1 5

<210> 361

<211> 10

<212> PRT

<213> Homo sapiens

<400> 361

Thr Tyr Ser Pro Ala Leu Asn Lys Met Phe
1 5 10

<210> 362

<400> 362

000

<210> 363

<211> 702

<212> PRT

<213> Homo sapiens

<400> 363

Met Glu Ser Pro Ser Ala Pro Pro His Arg Trp Cys Ile Pro Trp Gln
1 5 10 15

Arg Leu Leu Leu Thr Ala Ser Leu Leu Thr Phe Trp Asn Pro Pro Thr
20 25 30

Thr Ala Lys Leu Thr Ile Glu Ser Thr Pro Phe Asn Val Ala Glu Gly
35 40 45

Lys Glu Val Leu Leu Leu Val His Asn Leu Pro Gln His Leu Phe Gly
50 55 60

Tyr Ser Trp Tyr Lys Gly Glu Arg Val Asp Gly Asn Arg Gln Ile Ile
65 70 75 80

Gly Tyr Val Ile Gly Thr Gln Gln Ala Thr Pro Gly Pro Ala Tyr Ser
85 90 95

Gly Arg Glu Ile Ile Tyr Pro Asn Ala Ser Leu Leu Ile Gln Asn Ile
100 105 110

Ile Gln Asn Asp Thr Gly Phe Tyr Thr Leu His Val Ile Lys Ser Asp
115 120 125

Leu Val Asn Glu Glu Ala Thr Gly Gln Phe Arg Val Tyr Pro Glu Leu
130 135 140

Pro Lys Pro Ser Ile Ser Ser Asn Asn Ser Lys Pro Val Glu Asp Lys
145 150 155 160

Asp Ala Val Ala Phe Thr Cys Glu Pro Glu Thr Gln Asp Ala Thr Tyr
165 170 175

Leu Trp Trp Val Asn Asn Gln Ser Leu Pro Val Ser Pro Arg Leu Gln
180 185 190

Leu Ser Asn Gly Asn Arg Thr Leu Thr Leu Phe Asn Val Thr Arg Asn
195 200 205

Asp Thr Ala Ser Tyr Lys Cys Glu Thr Gln Asn Pro Val Ser Ala Arg
210 215 220

Arg Ser Asp Ser Val Ile Leu Asn Val Leu Tyr Gly Pro Asp Ala Pro
225 230 235 240

Thr Ile Ser Pro Leu Asn Thr Ser Tyr Arg Ser Gly Glu Asn Leu Asn
245 250 255

Leu Ser Cys His Ala Ala Ser Asn Pro Pro Ala Gln Tyr Ser Trp Phe
260 265 270

Val Asn Gly Thr Phe Gln Gln Ser Thr Gln Glu Leu Phe Ile Pro Asn
275 280 285

Ile Thr Val Asn Asn Ser Gly Ser Tyr Thr Cys Gln Ala His Asn Ser
290 295 300

Asp Thr Gly Leu Asn Arg Thr Thr Val Thr Thr Ile Thr Val Tyr Ala
305 310 315 320

Glu Pro Pro Lys Pro Phe Ile Thr Ser Asn Asn Ser Asn Pro Val Glu
325 330 335

Asp Glu Asp Ala Val Ala Leu Thr Cys Glu Pro Glu Ile Gln Asn Thr
340 345 350

Thr Tyr Leu Trp Trp Val Asn Asn Gln Ser Leu Pro Val Ser Pro Arg
355 360 365

Leu Gln Leu Ser Asn Asp Asn Arg Thr Leu Thr Leu Leu Ser Val Thr
370 375 380

Arg Asn Asp Val Gly Pro Tyr Glu Cys Gly Ile Gln Asn Glu Leu Ser
385 390 395 400

Val Asp His Ser Asp Pro Val Ile Leu Asn Val Leu Tyr Gly Pro Asp
405 410 415

Asp Pro Thr Ile Ser Pro Ser Tyr Thr Tyr Tyr Arg Pro Gly Val Asn
420 425 430

Leu Ser Leu Ser Cys His Ala Ala Ser Asn Pro Pro Ala Gln Tyr Ser
435 440 445

Trp Leu Ile Asp Gly Asn Ile Gln Gln His Thr Gln Glu Leu Phe Ile
450 455 460

Ser Asn Ile Thr Glu Lys Asn Ser Gly Leu Tyr Thr Cys Gln Ala Asn
465 470 475 480

Asn Ser Ala Ser Gly His Ser Arg Thr Thr Val Lys Thr Ile Thr Val
485 490 495

Ser Ala Glu Leu Pro Lys Pro Ser Ile Ser Ser Asn Asn Ser Lys Pro
500 505 510

Val Glu Asp Lys Asp Ala Val Ala Phe Thr Cys Glu Pro Glu Ala Gln
515 520 525

Asn Thr Thr Tyr Leu Trp Trp Val Asn Gly Gln Ser Leu Pro Val Ser
530 535 540

Pro Arg Leu Gln Leu Ser Asn Gly Asn Arg Thr Leu Thr Leu Phe Asn
545 550 555 560

Val Thr Arg Asn Asp Ala Arg Ala Tyr Val Cys Gly Ile Gln Asn Ser
565 570 575

Val Ser Ala Asn Arg Ser Asp Pro Val Thr Leu Asp Val Leu Tyr Gly
580 585 590

Pro Asp Thr Pro Ile Ile Ser Pro Pro Asp Ser Ser Tyr Leu Ser Gly
595 600 605

Ala Asn Leu Asn Leu Ser Cys His Ser Ala Ser Asn Pro Ser Pro Gln
610 615 620

Tyr Ser Trp Arg Ile Asn Gly Ile Pro Gln Gln His Thr Gln Val Leu
625 630 635 640

Phe Ile Ala Lys Ile Thr Pro Asn Asn Asn Gly Thr Tyr Ala Cys Phe
645 650 655

Val Ser Asn Leu Ala Thr Gly Arg Asn Asn Ser Ile Val Lys Ser Ile
660 665 670

Thr Val Ser Ala Ser Gly Thr Ser Pro Gly Leu Ser Ala Gly Ala Thr
675 680 685

Val Gly Ile Met Ile Gly Val Leu Val Gly Val Ala Leu Ile
690 695 700

<210> 364

<211> 1255

<212> PRT

<213> Homo sapiens

<400> 364

Met Glu Leu Ala Ala Leu Cys Arg Trp Gly Leu Leu Leu Ala Leu Leu
1 5 10 15

Pro Pro Gly Ala Ala Ser Thr Gln Val Cys Thr Gly Thr Asp Met Lys
20 25 30

Leu	Arg	Leu	Pro	Ala	Ser	Pro	Glu	Thr	His	Leu	Asp	Met	Leu	Arg	His
		35					40					45			
Leu	Tyr	Gln	Gly	Cys	Gln	Val	Val	Gln	Gly	Asn	Leu	Glu	Leu	Thr	Tyr
	50					55					60				
Leu	Pro	Thr	Asn	Ala	Ser	Leu	Ser	Phe	Leu	Gln	Asp	Ile	Gln	Glu	Val
65					70					75					80
Gln	Gly	Tyr	Val	Leu	Ile	Ala	His	Asn	Gln	Val	Arg	Gln	Val	Pro	Leu
				85					90					95	
Gln	Arg	Leu	Arg	Ile	Val	Arg	Gly	Thr	Gln	Leu	Phe	Glu	Asp	Asn	Tyr
			100					105						110	
Ala	Leu	Ala	Val	Leu	Asp	Asn	Gly	Asp	Pro	Leu	Asn	Asn	Thr	Thr	Pro
		115					120						125		
Val	Thr	Gly	Ala	Ser	Pro	Gly	Gly	Leu	Arg	Glu	Leu	Gln	Leu	Arg	Ser
	130					135						140			
Leu	Thr	Glu	Ile	Leu	Lys	Gly	Gly	Val	Leu	Ile	Gln	Arg	Asn	Pro	Gln
145					150					155					160
Leu	Cys	Tyr	Gln	Asp	Thr	Ile	Leu	Trp	Lys	Asp	Ile	Phe	His	Lys	Asn
				165					170					175	
Asn	Gln	Leu	Ala	Leu	Thr	Leu	Ile	Asp	Thr	Asn	Arg	Ser	Arg	Ala	Cys
			180					185						190	
His	Pro	Cys	Ser	Pro	Met	Cys	Lys	Gly	Ser	Arg	Cys	Trp	Gly	Glu	Ser
		195					200						205		
Ser	Glu	Asp	Cys	Gln	Ser	Leu	Thr	Arg	Thr	Val	Cys	Ala	Gly	Gly	Cys
	210					215						220			
Ala	Arg	Cys	Lys	Gly	Pro	Leu	Pro	Thr	Asp	Cys	Cys	His	Glu	Gln	Cys
225					230					235					240
Ala	Ala	Gly	Cys	Thr	Gly	Pro	Lys	His	Ser	Asp	Cys	Leu	Ala	Cys	Leu
				245					250					255	
His	Phe	Asn	His	Ser	Gly	Ile	Cys	Glu	Leu	His	Cys	Pro	Ala	Leu	Val
			260					265						270	

Thr Tyr Asn Thr Asp Thr Phe Glu Ser Met Pro Asn Pro Glu Gly Arg
275 280 285

Tyr Thr Phe Gly Ala Ser Cys Val Thr Ala Cys Pro Tyr Asn Tyr Leu
290 295 300

Ser Thr Asp Val Gly Ser Cys Thr Leu Val Cys Pro Leu His Asn Gln
305 310 315 320

Glu Val Thr Ala Glu Asp Gly Thr Gln Arg Cys Glu Lys Cys Ser Lys
325 330 335

Pro Cys Ala Arg Val Cys Tyr Gly Leu Gly Met Glu His Leu Arg Glu
340 345 350

Val Arg Ala Val Thr Ser Ala Asn Ile Gln Glu Phe Ala Gly Cys Lys
355 360 365

Lys Ile Phe Gly Ser Leu Ala Phe Leu Pro Glu Ser Phe Asp Gly Asp
370 375 380

Pro Ala Ser Asn Thr Ala Pro Leu Gln Pro Glu Gln Leu Gln Val Phe
385 390 395 400

Glu Thr Leu Glu Glu Ile Thr Gly Tyr Leu Tyr Ile Ser Ala Trp Pro
405 410 415

Asp Ser Leu Pro Asp Leu Ser Val Phe Gln Asn Leu Gln Val Ile Arg
420 425 430

Gly Arg Ile Leu His Asn Gly Ala Tyr Ser Leu Thr Leu Gln Gly Leu
435 440 445

Gly Ile Ser Trp Leu Gly Leu Arg Ser Leu Arg Glu Leu Gly Ser Gly
450 455 460

Leu Ala Leu Ile His His Asn Thr His Leu Cys Phe Val His Thr Val
465 470 475 480

Pro Trp Asp Gln Leu Phe Arg Asn Pro His Gln Ala Leu Leu His Thr
485 490 495

Ala Asn Arg Pro Glu Asp Glu Cys Val Gly Glu Gly Leu Ala Cys His
500 505 510

Gln Leu Cys Ala Arg Gly His Cys Trp Gly Pro Gly Pro Thr Gln Cys
515 520 525

Val Asn Cys Ser Gln Phe Leu Arg Gly Gln Glu Cys Val Glu Glu Cys
530 535 540

Arg Val Leu Gln Gly Leu Pro Arg Glu Tyr Val Asn Ala Arg His Cys
545 550 555 560

Leu Pro Cys His Pro Glu Cys Gln Pro Gln Asn Gly Ser Val Thr Cys
565 570 575

Phe Gly Pro Glu Ala Asp Gln Cys Val Ala Cys Ala His Tyr Lys Asp
580 585 590

Pro Pro Phe Cys Val Ala Arg Cys Pro Ser Gly Val Lys Pro Asp Leu
595 600 605

Ser Tyr Met Pro Ile Trp Lys Phe Pro Asp Glu Glu Gly Ala Cys Gln
610 615 620

Pro Cys Pro Ile Asn Cys Thr His Ser Cys Val Asp Leu Asp Asp Lys
625 630 635 640

Gly Cys Pro Ala Glu Gln Arg Ala Ser Pro Leu Thr Ser Ile Ile Ser
645 650 655

Ala Val Val Gly Ile Leu Leu Val Val Val Leu Gly Val Val Phe Gly
660 665 670

Ile Leu Ile Lys Arg Arg Gln Gln Lys Ile Arg Lys Tyr Thr Met Arg
675 680 685

Arg Leu Leu Gln Glu Thr Glu Leu Val Glu Pro Leu Thr Pro Ser Gly
690 695 700

Ala Met Pro Asn Gln Ala Gln Met Arg Ile Leu Lys Glu Thr Glu Leu
705 710 715 720

Arg Lys Val Lys Val Leu Gly Ser Gly Ala Phe Gly Thr Val Tyr Lys
725 730 735

Gly Ile Trp Ile Pro Asp Gly Glu Asn Val Lys Ile Pro Val Ala Ile
740 745 750

Lys Val Leu Arg Glu Asn Thr Ser Pro Lys Ala Asn Lys Glu Ile Leu

755	760	765
Asp Glu Ala Tyr Val Met Ala Gly Val Gly Ser Pro Tyr Val Ser Arg 770 775 780		
Leu Leu Gly Ile Cys Leu Thr Ser Thr Val Gln Leu Val Thr Gln Leu 785 790 795 800		
Met Pro Tyr Gly Cys Leu Leu Asp His Val Arg Glu Asn Arg Gly Arg 805 810 815		
Leu Gly Ser Gln Asp Leu Leu Asn Trp Cys Met Gln Ile Ala Lys Gly 820 825 830		
Met Ser Tyr Leu Glu Asp Val Arg Leu Val His Arg Asp Leu Ala Ala 835 840 845		
Arg Asn Val Leu Val Lys Ser Pro Asn His Val Lys Ile Thr Asp Phe 850 855 860		
Gly Leu Ala Arg Leu Leu Asp Ile Asp Glu Thr Glu Tyr His Ala Asp 865 870 875 880		
Gly Gly Lys Val Pro Ile Lys Trp Met Ala Leu Glu Ser Ile Leu Arg 885 890 895		
Arg Arg Phe Thr His Gln Ser Asp Val Trp Ser Tyr Gly Val Thr Val 900 905 910		
Trp Glu Leu Met Thr Phe Gly Ala Lys Pro Tyr Asp Gly Ile Pro Ala 915 920 925		
Arg Glu Ile Pro Asp Leu Leu Glu Lys Gly Glu Arg Leu Pro Gln Pro 930 935 940		
Pro Ile Cys Thr Ile Asp Val Tyr Met Ile Met Val Lys Cys Trp Met 945 950 955 960		
Ile Asp Ser Glu Cys Arg Pro Arg Phe Arg Glu Leu Val Ser Glu Phe 965 970 975		
Ser Arg Met Ala Arg Asp Pro Gln Arg Phe Val Val Ile Gln Asn Glu 980 985 990		
Asp Leu Gly Pro Ala Ser Pro Leu Asp Ser Thr Phe Tyr Arg Ser Leu 995 1000 1005		

Leu	Glu	Asp	Asp	Asp	Met	Gly	Asp	Leu	Val	Asp	Ala	Glu	Glu	Tyr
1010						1015					1020			
Leu	Val	Pro	Gln	Gln	Gly	Phe	Phe	Cys	Pro	Asp	Pro	Ala	Pro	Gly
1025						1030					1035			
Ala	Gly	Gly	Met	Val	His	His	Arg	His	Arg	Ser	Ser	Ser	Thr	Arg
1040						1045					1050			
Ser	Gly	Gly	Gly	Asp	Leu	Thr	Leu	Gly	Leu	Glu	Pro	Ser	Glu	Glu
1055						1060					1065			
Glu	Ala	Pro	Arg	Ser	Pro	Leu	Ala	Pro	Ser	Glu	Gly	Ala	Gly	Ser
1070						1075					1080			
Asp	Val	Phe	Asp	Gly	Asp	Leu	Gly	Met	Gly	Ala	Ala	Lys	Gly	Leu
1085						1090					1095			
Gln	Ser	Leu	Pro	Thr	His	Asp	Pro	Ser	Pro	Leu	Gln	Arg	Tyr	Ser
1100						1105					1110			
Glu	Asp	Pro	Thr	Val	Pro	Leu	Pro	Ser	Glu	Thr	Asp	Gly	Tyr	Val
1115						1120					1125			
Ala	Pro	Leu	Thr	Cys	Ser	Pro	Gln	Pro	Glu	Tyr	Val	Asn	Gln	Pro
1130						1135					1140			
Asp	Val	Arg	Pro	Gln	Pro	Pro	Ser	Pro	Arg	Glu	Gly	Pro	Leu	Pro
1145						1150					1155			
Ala	Ala	Arg	Pro	Ala	Gly	Ala	Thr	Leu	Glu	Arg	Pro	Lys	Thr	Leu
1160						1165					1170			
Ser	Pro	Gly	Lys	Asn	Gly	Val	Val	Lys	Asp	Val	Phe	Ala	Phe	Gly
1175						1180					1185			
Gly	Ala	Val	Glu	Asn	Pro	Glu	Tyr	Leu	Thr	Pro	Gln	Gly	Gly	Ala
1190						1195					1200			
Ala	Pro	Gln	Pro	His	Pro	Pro	Pro	Ala	Phe	Ser	Pro	Ala	Phe	Asp
1205						1210					1215			
Asn	Leu	Tyr	Tyr	Trp	Asp	Gln	Asp	Pro	Pro	Glu	Arg	Gly	Ala	Pro
1220						1225					1230			

Pro Ser Thr Phe Lys Gly Thr Pro Thr Ala Glu Asn Pro Glu Tyr
1235 1240 1245

Leu Gly Leu Asp Val Pro Val
1250 1255

<210> 365
<211> 314
<212> PRT
<213> Homo sapiens

<400> 365

Met Pro Leu Glu Gln Arg Ser Gln His Cys Lys Pro Glu Glu Gly Leu
1 5 10 15

Glu Ala Arg Gly Glu Ala Leu Gly Leu Val Gly Ala Gln Ala Pro Ala
20 25 30

Thr Glu Glu Gln Gln Thr Ala Ser Ser Ser Ser Thr Leu Val Glu Val
35 40 45

Thr Leu Gly Glu Val Pro Ala Ala Asp Ser Pro Ser Pro Pro His Ser
50 55 60

Pro Gln Gly Ala Ser Ser Phe Ser Thr Thr Ile Asn Tyr Thr Leu Trp
65 70 75 80

Arg Gln Ser Asp Glu Gly Ser Ser Asn Gln Glu Glu Glu Gly Pro Arg
85 90 95

Met Phe Pro Asp Leu Glu Ser Glu Phe Gln Ala Ala Ile Ser Arg Lys
100 105 110

Met Val Glu Leu Val His Phe Leu Leu Leu Lys Tyr Arg Ala Arg Glu
115 120 125

Pro Val Thr Lys Ala Glu Met Leu Glu Ser Val Leu Arg Asn Cys Gln
130 135 140

Asp Phe Phe Pro Val Ile Phe Ser Lys Ala Ser Glu Tyr Leu Gln Leu
145 150 155 160

Val Phe Gly Ile Glu Val Val Glu Val Val Pro Ile Ser His Leu Tyr
165 170 175

Ile Leu Val Thr Cys Leu Gly Leu Ser Tyr Asp Gly Leu Leu Gly Asp

180	185	190
Asn Gln Val Met Pro Lys Thr Gly Leu Leu Ile Ile Val Leu Ala Ile		
195	200	205
Ile Ala Ile Glu Gly Asp Cys Ala Pro Glu Glu Lys Ile Trp Glu Glu		
210	215	220
Leu Ser Met Leu Glu Val Phe Glu Gly Arg Glu Asp Ser Val Phe Ala		
225	230	235
His Pro Arg Lys Leu Leu Met Gln Asp Leu Val Gln Glu Asn Tyr Leu		
245	250	255
Glu Tyr Arg Gln Val Pro Gly Ser Asp Pro Ala Cys Tyr Glu Phe Leu		
260	265	270
Trp Gly Pro Arg Ala Leu Ile Glu Thr Ser Tyr Val Lys Val Leu His		
275	280	285
His Thr Leu Lys Ile Gly Gly Glu Pro His Ile Ser Tyr Pro Pro Leu		
290	295	300
His Glu Arg Ala Leu Arg Glu Gly Glu Glu		
305	310	
<210> 366		
<211> 314		
<212> PRT		
<213> Homo sapiens		
<400> 366		
Met Pro Leu Glu Gln Arg Ser Gln His Cys Lys Pro Glu Glu Gly Leu		
1	5	10
Glu Ala Arg Gly Glu Ala Leu Gly Leu Val Gly Ala Gln Ala Pro Ala		
20	25	30
Thr Glu Glu Gln Glu Ala Ala Ser Ser Ser Ser Thr Leu Val Glu Val		
35	40	45
Thr Leu Gly Glu Val Pro Ala Ala Glu Ser Pro Asp Pro Pro Gln Ser		
50	55	60
Pro Gln Gly Ala Ser Ser Leu Pro Thr Thr Met Asn Tyr Pro Leu Trp		
65	70	75
		80

Ser Gln Ser Tyr Glu Asp Ser Ser Asn Gln Glu Glu Glu Gly Pro Ser
85 90 95

Thr Phe Pro Asp Leu Glu Ser Glu Phe Gln Ala Ala Leu Ser Arg Lys
100 105 110

Val Ala Glu Leu Val His Phe Leu Leu Leu Lys Tyr Arg Ala Arg Glu
115 120 125

Pro Val Thr Lys Ala Glu Met Leu Gly Ser Val Val Gly Asn Trp Gln
130 135 140

Tyr Phe Phe Pro Val Ile Phe Ser Lys Ala Ser Ser Ser Leu Gln Leu
145 150 155 160

Val Phe Gly Ile Glu Leu Met Glu Val Asp Pro Ile Gly His Leu Tyr
165 170 175

Ile Phe Ala Thr Cys Leu Gly Leu Ser Tyr Asp Gly Leu Leu Gly Asp
180 185 190

Asn Gln Ile Met Pro Lys Ala Gly Leu Leu Ile Ile Val Leu Ala Ile
195 200 205

Ile Ala Arg Glu Gly Asp Cys Ala Pro Glu Glu Lys Ile Trp Glu Glu
210 215 220

Leu Ser Val Leu Glu Val Phe Glu Gly Arg Glu Asp Ser Ile Leu Gly
225 230 235 240

Asp Pro Lys Lys Leu Leu Thr Gln His Phe Val Gln Glu Asn Tyr Leu
245 250 255

Glu Tyr Arg Gln Val Pro Gly Ser Asp Pro Ala Cys Tyr Glu Phe Leu
260 265 270

Trp Gly Pro Arg Ala Leu Val Glu Thr Ser Tyr Val Lys Val Leu His
275 280 285

His Met Val Lys Ile Ser Gly Gly Pro His Ile Ser Tyr Pro Pro Leu
290 295 300

His Glu Trp Val Leu Arg Glu Gly Glu Glu
305 310

<210> 367
<211> 393
<212> PRT
<213> Homo sapiens

<400> 367

Met Glu Glu Pro Gln Ser Asp Pro Ser Val Glu Pro Pro Leu Ser Gln
1 5 10 15

Glu Thr Phe Ser Asp Leu Trp Lys Leu Leu Pro Glu Asn Asn Val Leu
20 25 30

Ser Pro Leu Pro Ser Gln Ala Met Asp Asp Leu Met Leu Ser Pro Asp
35 40 45

Asp Ile Glu Gln Trp Phe Thr Glu Asp Pro Gly Pro Asp Glu Ala Pro
50 55 60

Arg Met Pro Glu Ala Ala Pro Pro Val Ala Pro Ala Pro Ala Ala Pro
65 70 75 80

Thr Pro Ala Ala Pro Ala Pro Ala Pro Ser Trp Pro Leu Ser Ser Ser
85 90 95

Val Pro Ser Gln Lys Thr Tyr Gln Gly Ser Tyr Gly Phe Arg Leu Gly
100 105 110

Phe Leu His Ser Gly Thr Ala Lys Ser Val Thr Cys Thr Tyr Ser Pro
115 120 125

Ala Leu Asn Lys Met Phe Cys Gln Leu Ala Lys Thr Cys Pro Val Gln
130 135 140

Leu Trp Val Asp Ser Thr Pro Pro Pro Gly Thr Arg Val Arg Ala Met
145 150 155 160

Ala Ile Tyr Lys Gln Ser Gln His Met Thr Glu Val Val Arg Arg Cys
165 170 175

Pro His His Glu Arg Cys Ser Asp Ser Asp Gly Leu Ala Pro Pro Gln
180 185 190

His Leu Ile Arg Val Glu Gly Asn Leu Arg Val Glu Tyr Leu Asp Asp
195 200 205

Arg Asn Thr Phe Arg His Ser Val Val Val Pro Tyr Glu Pro Pro Glu
210 215 220

Val Gly Ser Asp Cys Thr Thr Ile His Tyr Asn Tyr Met Cys Asn Ser
225 230 235 240

Ser Cys Met Gly Gly Met Asn Arg Arg Pro Ile Leu Thr Ile Ile Thr
245 250 255

Leu Glu Asp Ser Ser Gly Asn Leu Leu Gly Arg Asn Ser Phe Glu Val
260 265 270

Arg Val Cys Ala Cys Pro Gly Arg Asp Arg Arg Thr Glu Glu Glu Asn
275 280 285

Leu Arg Lys Lys Gly Glu Pro His His Glu Leu Pro Pro Gly Ser Thr
290 295 300

Lys Arg Ala Leu Pro Asn Asn Thr Ser Ser Ser Pro Gln Pro Lys Lys
305 310 315 320

Lys Pro Leu Asp Gly Glu Tyr Phe Thr Leu Gln Ile Arg Gly Arg Glu
325 330 335

Arg Phe Glu Met Phe Arg Glu Leu Asn Glu Ala Leu Glu Leu Lys Asp
340 345 350

Ala Gln Ala Gly Lys Glu Pro Gly Gly Ser Arg Ala His Ser Ser His
355 360 365

Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu Met
370 375 380

Phe Lys Thr Glu Gly Pro Asp Ser Asp
385 390

<210> 368
<211> 9
<212> PRT
<213> Homo sapiens

<400> 368

Ala Glu Gly Lys Glu Val Leu Leu Leu
1 5

<210> 369
<211> 10
<212> PRT
<213> Homo sapiens

<400> 369

Gln Glu Leu Phe Ile Pro Asn Ile Thr Val
1 5 10

<210> 370

<211> 11

<212> PRT

<213> Homo sapiens

<400> 370

Ile Glu Ser Thr Pro Phe Asn Val Ala Glu Gly
1 5 10

<210> 371

<211> 9

<212> PRT

<213> Homo sapiens

<400> 371

Tyr Glu Cys Gly Ile Gln Asn Glu Leu
1 5

<210> 372

<211> 11

<212> PRT

<213> Homo sapiens

<400> 372

Tyr Glu Cys Gly Ile Gln Asn Glu Leu Ser Val
1 5 10

<210> 373

<211> 11

<212> PRT

<213> Homo sapiens

<400> 373

Met Glu Ser Pro Ser Ala Pro Pro His Arg Trp
1 5 10

<210> 374

<211> 9

<212> PRT

<213> Homo sapiens

<400> 374

Ile Glu Ser Thr Pro Phe Asn Val Ala
1 5

<210> 375
<211> 10
<212> PRT
<213> Homo sapiens

<400> 375

Ala Glu Gly Lys Glu Val Leu Leu Leu Val
1 5 10

<210> 376
<211> 10
<212> PRT
<213> Homo sapiens

<400> 376

Lys Glu Val Leu Leu Leu Val His Asn Leu
1 5 10

<210> 377
<211> 10
<212> PRT
<213> Homo sapiens

<400> 377

Arg Glu Ile Ile Tyr Pro Asn Ala Ser Leu
1 5 10

<210> 378
<211> 11
<212> PRT
<213> Homo sapiens

<400> 378

Arg Glu Ile Ile Tyr Pro Asn Ala Ser Leu Leu
1 5 10

<210> 379
<211> 9
<212> PRT
<213> Homo sapiens

<400> 379

Cys Glu Thr Gln Asn Pro Val Ser Ala
1 5

<210> 380
<211> 9
<212> PRT
<213> Homo sapiens

<400> 380

Gln Glu Leu Phe Ile Pro Asn Ile Thr
1 5

<210> 381

<211> 12

<212> PRT

<213> Homo sapiens

<400> 381

Pro Glu Ala Gln Asn Thr Thr Tyr Leu Trp Trp Val
1 5 10

<210> 382

<211> 11

<212> PRT

<213> Homo sapiens

<400> 382

Gly Glu Arg Val Asp Gly Asn Arg Gln Ile Ile
1 5 10

<210> 383

<211> 11

<212> PRT

<213> Homo sapiens

<400> 383

Asn Glu Glu Ala Thr Gly Gln Phe Arg Val Tyr
1 5 10

<210> 384

<211> 9

<212> PRT

<213> Homo sapiens

<400> 384

Cys Glu Pro Glu Thr Gln Asp Ala Thr
1 5

<210> 385

<211> 10

<212> PRT

<213> Homo sapiens

<400> 385

Gly Glu Asn Leu Asn Leu Ser Cys His Ala
1 5 10

<210> 386
<211> 11
<212> PRT
<213> Homo sapiens

<400> 386

Gly Glu Asn Leu Asn Leu Ser Cys His Ala Ala
1 5 10

<210> 387
<211> 8
<212> PRT
<213> Homo sapiens

<400> 387

Gln Glu Leu Phe Ile Pro Asn Ile
1 5

<210> 388
<211> 11
<212> PRT
<213> Homo sapiens

<400> 388

Cys Glu Pro Glu Ile Gln Asn Thr Thr Tyr Leu
1 5 10

<210> 389
<211> 11
<212> PRT
<213> Homo sapiens

<400> 389

Pro Glu Ile Gln Asn Thr Thr Tyr Leu Trp Trp
1 5 10

<210> 390
<211> 12
<212> PRT
<213> Homo sapiens

<400> 390

Pro Glu Ile Gln Asn Thr Thr Tyr Leu Trp Trp Val
1 5 10

<210> 391
<211> 11
<212> PRT
<213> Homo sapiens

<400> 391

Asn Glu Leu Ser Val Asp His Ser Asp Pro Val
1 5 10

<210> 392
<211> 9
<212> PRT
<213> Homo sapiens

<400> 392

Gln Glu Leu Phe Ile Ser Asn Ile Thr
1 5

<210> 393
<211> 11
<212> PRT
<213> Homo sapiens

<400> 393

Pro Glu Ala Gln Asn Thr Thr Tyr Leu Trp Trp
1 5 10

<210> 394
<211> 10
<212> PRT
<213> Homo sapiens

<400> 394

Gly Glu Arg Val Asp Gly Asn Arg Gln Ile
1 5 10

<210> 395
<211> 10
<212> PRT
<213> Homo sapiens

<400> 395

Asn Glu Glu Ala Thr Gly Gln Phe Arg Val
1 5 10

<210> 396
<211> 9
<212> PRT
<213> Homo sapiens

<400> 396

Glu Glu Ala Thr Gly Gln Phe Arg Val
1 5

<210> 397

<211> 10
<212> PRT
<213> Homo sapiens

<400> 397

Glu Glu Ala Thr Gly Gln Phe Arg Val Tyr
1 5 10

<210> 398
<211> 9
<212> PRT
<213> Homo sapiens

<400> 398

Val Glu Asp Lys Asp Ala Val Ala Phe
1 5

<210> 399
<211> 11
<212> PRT
<213> Homo sapiens

<400> 399

Cys Glu Pro Glu Thr Gln Asp Ala Thr Tyr Leu
1 5 10

<210> 400
<211> 9
<212> PRT
<213> Homo sapiens

<400> 400

Val Glu Asp Glu Asp Ala Val Ala Leu
1 5

<210> 401
<211> 13
<212> PRT
<213> Homo sapiens

<400> 401

Cys Glu Pro Glu Ile Gln Asn Thr Thr Tyr Leu Trp Trp
1 5 10

<210> 402
<211> 9
<212> PRT
<213> Homo sapiens

<400> 402

Pro Glu Ile Gln Asn Thr Thr Tyr Leu
1 5

<210> 403
<211> 8
<212> PRT
<213> Homo sapiens

<400> 403

Ala Glu Leu Pro Lys Pro Ser Ile
1 5

<210> 404
<211> 8
<212> PRT
<213> Homo sapiens

<400> 404

Pro Glu Ala Gln Asn Thr Thr Tyr
1 5

<210> 405
<211> 8
<212> PRT
<213> Homo sapiens

<400> 405

Ala Glu Gly Lys Glu Val Leu Leu
1 5

<210> 406
<211> 9
<212> PRT
<213> Homo sapiens

<400> 406

Ala Glu Pro Pro Lys Pro Phe Ile Thr
1 5

<210> 407
<211> 9
<212> PRT
<213> Homo sapiens

<400> 407

Cys Glu Pro Glu Ile Gln Asn Thr Thr
1 5

<210> 408
<211> 10

<212> PRT
<213> Homo sapiens

<400> 408

Cys Glu Pro Glu Ile Gln Asn Thr Thr Tyr
1 5 10

<210> 409
<211> 10
<212> PRT
<213> Homo sapiens

<400> 409

Pro Glu Ile Gln Asn Thr Thr Tyr Leu Trp
1 5 10

<210> 410
<211> 8
<212> PRT
<213> Homo sapiens

<400> 410

Gln Glu Leu Phe Ile Ser Asn Ile
1 5

<210> 411
<211> 8
<212> PRT
<213> Homo sapiens

<400> 411

Thr Glu Lys Asn Ser Gly Leu Tyr
1 5

<210> 412
<211> 9
<212> PRT
<213> Homo sapiens

<400> 412

Thr Glu Lys Asn Ser Gly Leu Tyr Thr
1 5

<210> 413
<211> 10
<212> PRT
<213> Homo sapiens

<400> 413

Cys Glu Pro Glu Ala Gln Asn Thr Thr Tyr

1 5 10

<210> 414
<211> 11
<212> PRT
<213> Homo sapiens

<400> 414

Cys Glu Pro Glu Ala Gln Asn Thr Thr Tyr Leu
1 5 10

<210> 415
<211> 10
<212> PRT
<213> Homo sapiens

<400> 415

Pro Glu Ala Gln Asn Thr Thr Tyr Leu Trp
1 5 10

<210> 416
<211> 8
<212> PRT
<213> Homo sapiens

<400> 416

Asn Glu Glu Ala Thr Gly Gln Phe
1 5

<210> 417
<211> 8
<212> PRT
<213> Homo sapiens

<400> 417

Pro Glu Leu Pro Lys Pro Ser Ile
1 5

<210> 418
<211> 10
<212> PRT
<213> Homo sapiens

<400> 418

Val Glu Asp Lys Asp Ala Val Ala Phe Thr
1 5 10

<210> 419
<211> 10
<212> PRT

<213> Homo sapiens

<400> 419

Cys Glu Pro Glu Thr Gln Asp Ala Thr Tyr
1 5 10

<210> 420

<211> 8

<212> PRT

<213> Homo sapiens

<400> 420

Pro Glu Thr Gln Asp Ala Thr Tyr
1 5

<210> 421

<211> 9

<212> PRT

<213> Homo sapiens

<400> 421

Pro Glu Thr Gln Asp Ala Thr Tyr Leu
1 5

<210> 422

<211> 10

<212> PRT

<213> Homo sapiens

<400> 422

Pro Glu Thr Gln Asp Ala Thr Tyr Leu Trp
1 5 10

<210> 423

<211> 11

<212> PRT

<213> Homo sapiens

<400> 423

Pro Glu Thr Gln Asp Ala Thr Tyr Leu Trp Trp
1 5 10

<210> 424

<211> 7

<212> PRT

<213> Homo sapiens

<400> 424

Cys Glu Thr Gln Asn Pro Val
1 5

<210> 425
<211> 8
<212> PRT
<213> Homo sapiens

<400> 425

Ala Glu Pro Pro Lys Pro Phe Ile
1 5

<210> 426
<211> 10
<212> PRT
<213> Homo sapiens

<400> 426

Val Glu Asp Glu Asp Ala Val Ala Leu Thr
1 5 10

<210> 427
<211> 8
<212> PRT
<213> Homo sapiens

<400> 427

Pro Glu Ile Gln Asn Thr Thr Tyr
1 5

<210> 428
<211> 9
<212> PRT
<213> Homo sapiens

<400> 428

Cys Glu Pro Glu Ala Gln Asn Thr Thr
1 5

<210> 429
<211> 9
<212> PRT
<213> Homo sapiens

<400> 429

Pro Glu Ala Gln Asn Thr Thr Tyr Leu
1 5

<210> 430
<211> 11
<212> PRT
<213> Homo sapiens

<400> 430

Met Glu Leu Ala Ala Leu Cys Arg Trp Gly Leu
1 5 10

<210> 431

<211> 12

<212> PRT

<213> Homo sapiens

<400> 431

Leu Glu Leu Thr Tyr Leu Pro Thr Asn Ala Ser Leu
1 5 10

<210> 432

<211> 9

<212> PRT

<213> Homo sapiens

<400> 432

Gln Glu Val Gln Gly Tyr Val Leu Ile
1 5

<210> 433

<211> 11

<212> PRT

<213> Homo sapiens

<400> 433

Gly Glu Gly Leu Ala Cys His Gln Leu Cys Ala
1 5 10

<210> 434

<211> 8

<212> PRT

<213> Homo sapiens

<400> 434

Ala Glu Gln Arg Ala Ser Pro Leu
1 5

<210> 435

<211> 11

<212> PRT

<213> Homo sapiens

<400> 435

Ala Glu Gln Arg Ala Ser Pro Leu Thr Ser Ile
1 5 10

<210> 436
<211> 10
<212> PRT
<213> Homo sapiens

<400> 436

Lys Glu Ile Leu Asp Glu Ala Tyr Val Met
1 5 10

<210> 437
<211> 9
<212> PRT
<213> Homo sapiens

<400> 437

Gly Glu Arg Leu Pro Gln Pro Pro Ile
1 5

<210> 438
<211> 10
<212> PRT
<213> Homo sapiens

<400> 438

Ser Glu Cys Arg Pro Arg Phe Arg Glu Leu
1 5 10

<210> 439
<211> 9
<212> PRT
<213> Homo sapiens

<400> 439

Ala Glu Asn Pro Glu Tyr Leu Gly Leu
1 5

<210> 440
<211> 11
<212> PRT
<213> Homo sapiens

<400> 440

Arg Glu Leu Gln Leu Arg Ser Leu Thr Glu Ile
1 5 10

<210> 441
<211> 11
<212> PRT
<213> Homo sapiens

<400> 441

Gln Glu Phe Ala Gly Cys Lys Lys Ile Phe Gly
1 5 10

<210> 442

<211> 12

<212> PRT

<213> Homo sapiens

<400> 442

Leu Glu Glu Ile Thr Gly Tyr Leu Tyr Ile Ser Ala
1 5 10

<210> 443

<211> 13

<212> PRT

<213> Homo sapiens

<400> 443

Ser Glu Phe Ser Arg Met Ala Arg Asp Pro Gln Arg Phe
1 5 10

<210> 444

<211> 10

<212> PRT

<213> Homo sapiens

<400> 444

Asn Glu Asp Leu Gly Pro Ala Ser Pro Leu
1 5 10

<210> 445

<211> 10

<212> PRT

<213> Homo sapiens

<400> 445

Ser Glu Glu Glu Ala Pro Arg Ser Pro Leu
1 5 10

<210> 446

<211> 10

<212> PRT

<213> Homo sapiens

<400> 446

Ser Glu Thr Asp Gly Tyr Val Ala Pro Leu
1 5 10

<210> 447
<211> 10
<212> PRT
<213> Homo sapiens

<400> 447

Leu Glu Leu Thr Tyr Leu Pro Thr Asn Ala
1 5 10

<210> 448
<211> 8
<212> PRT
<213> Homo sapiens

<400> 448

Gln Glu Val Gln Gly Tyr Val Leu
1 5

<210> 449
<211> 9
<212> PRT
<213> Homo sapiens

<400> 449

Phe Glu Asp Asn Tyr Ala Leu Ala Val
1 5

<210> 450
<211> 9
<212> PRT
<213> Homo sapiens

<400> 450

Arg Glu Leu Gln Leu Arg Ser Leu Thr
1 5

<210> 451
<211> 9
<212> PRT
<213> Homo sapiens

<400> 451

Met Glu His Leu Arg Glu Val Arg Ala
1 5

<210> 452
<211> 10
<212> PRT
<213> Homo sapiens

<400> 452

Met Glu His Leu Arg Glu Val Arg Ala Val
1 5 10

<210> 453
<211> 13
<212> PRT
<213> Homo sapiens

<400> 453

Met Glu His Leu Arg Glu Val Arg Ala Val Thr Ser Ala
1 5 10

<210> 454
<211> 10
<212> PRT
<213> Homo sapiens

<400> 454

Gln Glu Phe Ala Gly Cys Lys Lys Ile Phe
1 5 10

<210> 455
<211> 11
<212> PRT
<213> Homo sapiens

<400> 455

Glu Glu Ile Thr Gly Tyr Leu Tyr Ile Ser Ala
1 5 10

<210> 456
<211> 9
<212> PRT
<213> Homo sapiens

<400> 456

Arg Glu Leu Gly Ser Gly Leu Ala Leu
1 5

<210> 457
<211> 10
<212> PRT
<213> Homo sapiens

<400> 457

Arg Glu Leu Gly Ser Gly Leu Ala Leu Ile
1 5 10

<210> 458

<211> 9
<212> PRT
<213> Homo sapiens

<400> 458

Gly Glu Gly Leu Ala Cys His Gln Leu
1 5

<210> 459
<211> 10
<212> PRT
<213> Homo sapiens

<400> 459

Arg Glu Tyr Val Asn Ala Arg His Cys Leu
1 5 10

<210> 460
<211> 10
<212> PRT
<213> Homo sapiens

<400> 460

Glu Glu Gly Ala Cys Gln Pro Cys Pro Ile
1 5 10

<210> 461
<211> 9
<212> PRT
<213> Homo sapiens

<400> 461

Ala Glu Gln Arg Ala Ser Pro Leu Thr
1 5

<210> 462
<211> 9
<212> PRT
<213> Homo sapiens

<400> 462

Gln Glu Thr Glu Leu Val Glu Pro Leu
1 5

<210> 463
<211> 10
<212> PRT
<213> Homo sapiens

<400> 463

Gln Glu Thr Glu Leu Val Glu Pro Leu Thr
1 5 10

<210> 464
<211> 10
<212> PRT
<213> Homo sapiens

<400> 464

Gly Glu Asn Val Lys Ile Pro Val Ala Ile
1 5 10

<210> 465
<211> 10
<212> PRT
<213> Homo sapiens

<400> 465

Arg Glu Leu Val Ser Glu Phe Ser Arg Met
1 5 10

<210> 466
<211> 11
<212> PRT
<213> Homo sapiens

<400> 466

Arg Glu Leu Val Ser Glu Phe Ser Arg Met Ala
1 5 10

<210> 467
<211> 12
<212> PRT
<213> Homo sapiens

<400> 467

Ala Glu Glu Tyr Leu Val Pro Gln Gln Gly Phe Phe
1 5 10

<210> 468
<211> 8
<212> PRT
<213> Homo sapiens

<400> 468

Ser Glu Asp Pro Thr Val Pro Leu
1 5

<210> 469
<211> 11

<212> PRT
<213> Homo sapiens

<400> 469

Ser Glu Thr Asp Gly Tyr Val Ala Pro Leu Thr
1 5 10

<210> 470
<211> 11
<212> PRT
<213> Homo sapiens

<400> 470

Ala Glu Asn Pro Glu Tyr Leu Gly Leu Asp Val
1 5 10

<210> 471
<211> 9
<212> PRT
<213> Homo sapiens

<400> 471

Met Glu Leu Ala Ala Leu Cys Arg Trp
1 5

<210> 472
<211> 10
<212> PRT
<213> Homo sapiens

<400> 472

Met Glu Leu Ala Ala Leu Cys Arg Trp Gly
1 5 10

<210> 473
<211> 10
<212> PRT
<213> Homo sapiens

<400> 473

Gln Glu Val Gln Gly Tyr Val Leu Ile Ala
1 5 10

<210> 474
<211> 10
<212> PRT
<213> Homo sapiens

<400> 474

Phe Glu Asp Asn Tyr Ala Leu Ala Val Leu

1 5 10

<210> 475
<211> 8
<212> PRT
<213> Homo sapiens

<400> 475

Arg Glu Leu Gln Leu Arg Ser Leu
1 5

<210> 476
<211> 9
<212> PRT
<213> Homo sapiens

<400> 476

Thr Glu Ile Leu Lys Gly Gly Val Leu
1 5

<210> 477
<211> 10
<212> PRT
<213> Homo sapiens

<400> 477

Thr Glu Ile Leu Lys Gly Gly Val Leu Ile
1 5 10

<210> 478
<211> 10
<212> PRT
<213> Homo sapiens

<400> 478

Gly Glu Ser Ser Glu Asp Cys Gln Ser Leu
1 5 10

<210> 479
<211> 11
<212> PRT
<213> Homo sapiens

<400> 479

Ser Glu Asp Cys Gln Ser Leu Thr Arg Thr Val
1 5 10

<210> 480
<211> 12
<212> PRT

<213> Homo sapiens

<400> 480

Pro Glu Gly Arg Tyr Thr Phe Gly Ala Ser Cys Val
1 5 10

<210> 481

<211> 9

<212> PRT

<213> Homo sapiens

<400> 481

Arg Glu Val Arg Ala Val Thr Ser Ala
1 5

<210> 482

<211> 11

<212> PRT

<213> Homo sapiens

<400> 482

Arg Glu Val Arg Ala Val Thr Ser Ala Asn Ile
1 5 10

<210> 483

<211> 8

<212> PRT

<213> Homo sapiens

<400> 483

Glu Glu Ile Thr Gly Tyr Leu Tyr
1 5

<210> 484

<211> 9

<212> PRT

<213> Homo sapiens

<400> 484

Glu Glu Ile Thr Gly Tyr Leu Tyr Ile
1 5

<210> 485

<211> 12

<212> PRT

<213> Homo sapiens

<400> 485

Glu Glu Ile Thr Gly Tyr Leu Tyr Ile Ser Ala Trp
1 5 10

<210> 486
<211> 10
<212> PRT
<213> Homo sapiens

<400> 486

Gln	Glu	Cys	Val	Glu	Glu	Cys	Arg	Val	Leu
1				5					10

<210> 487
<211> 10
<212> PRT
<213> Homo sapiens

<400> 487

Val	Glu	Glu	Cys	Arg	Val	Leu	Gln	Gly	Leu
1				5					10

<210> 488
<211> 9
<212> PRT
<213> Homo sapiens

<400> 488

Gly	Glu	Asn	Val	Lys	Ile	Pro	Val	Ala
1				5				

<210> 489
<211> 9
<212> PRT
<213> Homo sapiens

<400> 489

Lys	Glu	Ile	Leu	Asp	Glu	Ala	Tyr	Val
1				5				

<210> 490
<211> 11
<212> PRT
<213> Homo sapiens

<400> 490

Lys	Glu	Ile	Leu	Asp	Glu	Ala	Tyr	Val	Met	Ala
1				5					10	

<210> 491
<211> 10
<212> PRT
<213> Homo sapiens

<400> 491

Asp Glu Ala Tyr Val Met Ala Gly Val Gly
1 5 10

<210> 492

<211> 12

<212> PRT

<213> Homo sapiens

<400> 492

Thr Glu Tyr His Ala Asp Gly Gly Lys Val Pro Ile
1 5 10

<210> 493

<211> 12

<212> PRT

<213> Homo sapiens

<400> 493

Gly Glu Arg Leu Pro Gln Pro Pro Ile Cys Thr Ile
1 5 10

<210> 494

<211> 11

<212> PRT

<213> Homo sapiens

<400> 494

Ala Glu Glu Tyr Leu Val Pro Gln Gln Gly Phe
1 5 10

<210> 495

<211> 9

<212> PRT

<213> Homo sapiens

<400> 495

Glu Glu Tyr Leu Val Pro Gln Gln Gly
1 5

<210> 496

<211> 10

<212> PRT

<213> Homo sapiens

<400> 496

Glu Glu Tyr Leu Val Pro Gln Gln Gly Phe
1 5 10

<210> 497
<211> 11
<212> PRT
<213> Homo sapiens

<400> 497

Glu Glu Tyr Leu Val Pro Gln Gln Gly Phe Phe
1 5 10

<210> 498
<211> 9
<212> PRT
<213> Homo sapiens

<400> 498

Glu Glu Glu Ala Pro Arg Ser Pro Leu
1 5

<210> 499
<211> 9
<212> PRT
<213> Homo sapiens

<400> 499

Glu Glu Ala Pro Arg Ser Pro Leu Ala
1 5

<210> 500
<211> 11
<212> PRT
<213> Homo sapiens

<400> 500

Arg Glu Gly Pro Leu Pro Ala Ala Arg Pro Ala
1 5 10

<210> 501
<211> 12
<212> PRT
<213> Homo sapiens

<400> 501

Arg Glu Leu Gln Leu Arg Ser Leu Thr Glu Ile Leu
1 5 10

<210> 502
<211> 11
<212> PRT
<213> Homo sapiens

<400> 502

Gly Glu Ser Ser Glu Asp Cys Gln Ser Leu Thr
1 5 10

<210> 503

<211> 8

<212> PRT

<213> Homo sapiens

<400> 503

Cys Glu Leu His Cys Pro Ala Leu
1 5

<210> 504

<211> 9

<212> PRT

<213> Homo sapiens

<400> 504

Cys Glu Leu His Cys Pro Ala Leu Val
1 5

<210> 505

<211> 10

<212> PRT

<213> Homo sapiens

<400> 505

Cys Glu Leu His Cys Pro Ala Leu Val Thr
1 5 10

<210> 506

<211> 11

<212> PRT

<213> Homo sapiens

<400> 506

Cys Glu Leu His Cys Pro Ala Leu Val Thr Tyr
1 5 10

<210> 507

<211> 9

<212> PRT

<213> Homo sapiens

<400> 507

Phe Glu Ser Met Pro Asn Pro Glu Gly
1 5

<210> 508
<211> 11
<212> PRT
<213> Homo sapiens

<400> 508

Phe Glu Ser Met Pro Asn Pro Glu Gly Arg Tyr
1 5 10

<210> 509
<211> 9
<212> PRT
<213> Homo sapiens

<400> 509

Gln Glu Phe Ala Gly Cys Lys Lys Ile
1 5

<210> 510
<211> 11
<212> PRT
<213> Homo sapiens

<400> 510

Phe Glu Thr Leu Glu Glu Ile Thr Gly Tyr Leu
1 5 10

<210> 511
<211> 10
<212> PRT
<213> Homo sapiens

<400> 511

Leu Glu Glu Ile Thr Gly Tyr Leu Tyr Ile
1 5 10

<210> 512
<211> 10
<212> PRT
<213> Homo sapiens

<400> 512

Pro Glu Asp Glu Cys Val Gly Glu Gly Leu
1 5 10

<210> 513
<211> 8
<212> PRT
<213> Homo sapiens

<400> 513

Asp Glu Cys Val Gly Glu Gly Leu
1 5

<210> 514
<211> 12
<212> PRT
<213> Homo sapiens

<400> 514

Thr Glu Leu Val Glu Pro Leu Thr Pro Ser Gly Ala
1 5 10

<210> 515
<211> 13
<212> PRT
<213> Homo sapiens

<400> 515

Arg Glu Asn Thr Ser Pro Lys Ala Asn Lys Glu Ile Leu
1 5 10

<210> 516
<211> 8
<212> PRT
<213> Homo sapiens

<400> 516

Lys Glu Ile Leu Asp Glu Ala Tyr
1 5

<210> 517
<211> 9
<212> PRT
<213> Homo sapiens

<400> 517

Asp Glu Ala Tyr Val Met Ala Gly Val
1 5

<210> 518
<211> 9
<212> PRT
<213> Homo sapiens

<400> 518

Leu Glu Ser Ile Leu Arg Arg Arg Phe
1 5

<210> 519

<211> 11
<212> PRT
<213> Homo sapiens

<400> 519

Trp Glu Leu Met Thr Phe Gly Ala Lys Pro Tyr
1 5 10

<210> 520
<211> 13
<212> PRT
<213> Homo sapiens

<400> 520

Arg Glu Ile Pro Asp Leu Leu Glu Lys Gly Glu Arg Leu
1 5 10

<210> 521
<211> 11
<212> PRT
<213> Homo sapiens

<400> 521

Gly Glu Arg Leu Pro Gln Pro Pro Ile Cys Thr
1 5 10

<210> 522
<211> 11
<212> PRT
<213> Homo sapiens

<400> 522

Ser Glu Cys Arg Pro Arg Phe Arg Glu Leu Val
1 5 10

<210> 523
<211> 9
<212> PRT
<213> Homo sapiens

<400> 523

Ser Glu Gly Ala Gly Ser Asp Val Phe
1 5

<210> 524
<211> 10
<212> PRT
<213> Homo sapiens

<400> 524

Pro Glu Tyr Leu Gly Leu Asp Val Pro Val
1 5 10

<210> 525
<211> 13
<212> PRT
<213> Homo sapiens

<400> 525

Cys Glu Lys Cys Ser Lys Pro Cys Ala Arg Val Cys Tyr
1 5 10

<210> 526
<211> 11
<212> PRT
<213> Homo sapiens

<400> 526

Met Glu His Leu Arg Glu Val Arg Ala Val Thr
1 5 10

<210> 527
<211> 8
<212> PRT
<213> Homo sapiens

<400> 527

Leu Glu Glu Ile Thr Gly Tyr Leu
1 5

<210> 528
<211> 11
<212> PRT
<213> Homo sapiens

<400> 528

Asp Glu Glu Gly Ala Cys Gln Pro Cys Pro Ile
1 5 10

<210> 529
<211> 7
<212> PRT
<213> Homo sapiens

<400> 529

Thr Glu Leu Val Glu Pro Leu
1 5

<210> 530
<211> 9

<212> PRT
<213> Homo sapiens

<400> 530

Val Glu Pro Leu Thr Pro Ser Gly Ala
1 5

<210> 531
<211> 10
<212> PRT
<213> Homo sapiens

<400> 531

Lys Glu Thr Glu Leu Arg Lys Val Lys Val
1 5 10

<210> 532
<211> 9
<212> PRT
<213> Homo sapiens

<400> 532

Thr Glu Leu Arg Lys Val Lys Val Leu
1 5

<210> 533
<211> 11
<212> PRT
<213> Homo sapiens

<400> 533

Leu Glu Asp Val Arg Leu Val His Arg Asp Leu
1 5 10

<210> 534
<211> 10
<212> PRT
<213> Homo sapiens

<400> 534

Thr Glu Tyr His Ala Asp Gly Gly Lys Val
1 5 10

<210> 535
<211> 10
<212> PRT
<213> Homo sapiens

<400> 535

Leu Glu Ser Ile Leu Arg Arg Arg Phe Thr

1 5 10

<210> 536
<211> 9
<212> PRT
<213> Homo sapiens

<400> 536

Leu Glu Asp Asp Asp Met Gly Asp Leu
1 5

<210> 537
<211> 10
<212> PRT
<213> Homo sapiens

<400> 537

Ala Glu Glu Tyr Leu Val Pro Gln Gln Gly
1 5 10

<210> 538
<211> 11
<212> PRT
<213> Homo sapiens

<400> 538

Ser Glu Glu Glu Ala Pro Arg Ser Pro Leu Ala
1 5 10

<210> 539
<211> 11
<212> PRT
<213> Homo sapiens

<400> 539

Ser Glu Gly Ala Gly Ser Asp Val Phe Asp Gly
1 5 10

<210> 540
<211> 11
<212> PRT
<213> Homo sapiens

<400> 540

Pro Glu Tyr Leu Thr Pro Gln Gly Gly Ala Ala
1 5 10

<210> 541
<211> 9
<212> PRT

<213> Homo sapiens

<400> 541

Pro Glu Arg Gly Ala Pro Pro Ser Thr
1 5

<210> 542

<211> 8

<212> PRT

<213> Homo sapiens

<400> 542

Pro Glu Thr His Leu Asp Met Leu
1 5

<210> 543

<211> 11

<212> PRT

<213> Homo sapiens

<400> 543

Pro Glu Thr His Leu Asp Met Leu Arg His Leu
1 5 10

<210> 544

<211> 7

<212> PRT

<213> Homo sapiens

<400> 544

Ser Glu Asp Cys Gln Ser Leu
1 5

<210> 545

<211> 9

<212> PRT

<213> Homo sapiens

<400> 545

His Glu Gln Cys Ala Ala Gly Cys Thr
1 5

<210> 546

<211> 13

<212> PRT

<213> Homo sapiens

<400> 546

Pro Glu Gly Arg Tyr Thr Phe Gly Ala Ser Cys Val Thr
1 5 10

<210> 547
<211> 9
<212> PRT
<213> Homo sapiens

<400> 547

Gln Glu Val Thr Ala Glu Asp Gly Thr
1 5

<210> 548
<211> 9
<212> PRT
<213> Homo sapiens

<400> 548

Cys Glu Lys Cys Ser Lys Pro Cys Ala
1 5

<210> 549
<211> 11
<212> PRT
<213> Homo sapiens

<400> 549

Cys Glu Lys Cys Ser Lys Pro Cys Ala Arg Val
1 5 10

<210> 550
<211> 7
<212> PRT
<213> Homo sapiens

<400> 550

Arg Glu Val Arg Ala Val Thr
1 5

<210> 551
<211> 7
<212> PRT
<213> Homo sapiens

<400> 551

Phe Glu Thr Leu Glu Glu Ile
1 5

<210> 552
<211> 10
<212> PRT
<213> Homo sapiens

<400> 552

Phe Glu Thr Leu Glu Glu Ile Thr Gly Tyr
1 5 10

<210> 553

<211> 13

<212> PRT

<213> Homo sapiens

<400> 553

Asp Glu Cys Val Gly Glu Gly Leu Ala Cys His Gln Leu
1 5 10

<210> 554

<211> 9

<212> PRT

<213> Homo sapiens

<400> 554

Gln Glu Cys Val Glu Glu Cys Arg Val
1 5

<210> 555

<211> 9

<212> PRT

<213> Homo sapiens

<400> 555

Val Glu Glu Cys Arg Val Leu Gln Gly
1 5

<210> 556

<211> 9

<212> PRT

<213> Homo sapiens

<400> 556

Glu Glu Cys Arg Val Leu Gln Gly Leu
1 5

<210> 557

<211> 10

<212> PRT

<213> Homo sapiens

<400> 557

Pro Glu Cys Gln Pro Gln Asn Gly Ser Val
1 5 10

<210> 558
<211> 11
<212> PRT
<213> Homo sapiens

<400> 558

Thr Glu Leu Val Glu Pro Leu Thr Pro Ser Gly
1 5 10

<210> 559
<211> 10
<212> PRT
<213> Homo sapiens

<400> 559

Val Glu Pro Leu Thr Pro Ser Gly Ala Met
1 5 10

<210> 560
<211> 11
<212> PRT
<213> Homo sapiens

<400> 560

Lys Glu Thr Glu Leu Arg Lys Val Lys Val Leu
1 5 10

<210> 561
<211> 10
<212> PRT
<213> Homo sapiens

<400> 561

Thr Glu Leu Arg Lys Val Lys Val Leu Gly
1 5 10

<210> 562
<211> 9
<212> PRT
<213> Homo sapiens

<400> 562

Asp Glu Thr Glu Tyr His Ala Asp Gly
1 5

<210> 563
<211> 10
<212> PRT
<213> Homo sapiens

<400> 563

Asp Glu Thr Glu Tyr His Ala Asp Gly Gly
1 5 10

<210> 564

<211> 10

<212> PRT

<213> Homo sapiens

<400> 564

Arg Glu Ile Pro Asp Leu Leu Glu Lys Gly
1 5 10

<210> 565

<211> 7

<212> PRT

<213> Homo sapiens

<400> 565

Ser Glu Cys Arg Pro Arg Phe
1 5

<210> 566

<211> 10

<212> PRT

<213> Homo sapiens

<400> 566

Glu Glu Glu Ala Pro Arg Ser Pro Leu Ala
1 5 10

<210> 567

<211> 8

<212> PRT

<213> Homo sapiens

<400> 567

Glu Glu Ala Pro Arg Ser Pro Leu
1 5

<210> 568

<211> 13

<212> PRT

<213> Homo sapiens

<400> 568

Ser Glu Gly Ala Gly Ser Asp Val Phe Asp Gly Asp Leu
1 5 10

<210> 569
<211> 9
<212> PRT
<213> Homo sapiens

<400> 569

Pro Glu Tyr Val Asn Gln Pro Asp Val
1 5

<210> 570
<211> 11
<212> PRT
<213> Homo sapiens

<400> 570

Val Glu Asn Pro Glu Tyr Leu Thr Pro Gln Gly
1 5 10

<210> 571
<211> 9
<212> PRT
<213> Homo sapiens

<400> 571

Pro Glu Tyr Leu Thr Pro Gln Gly Gly
1 5

<210> 572
<211> 10
<212> PRT
<213> Homo sapiens

<400> 572

Pro Glu Arg Gly Ala Pro Pro Ser Thr Phe
1 5 10

<210> 573
<211> 7
<212> PRT
<213> Homo sapiens

<400> 573

Pro Glu Thr His Leu Asp Met
1 5

<210> 574
<211> 10
<212> PRT
<213> Homo sapiens

<400> 574

Ser Glu Asp Cys Gln Ser Leu Thr Arg Thr
1 5 10

<210> 575
<211> 10
<212> PRT
<213> Homo sapiens

<400> 575

His Glu Gln Cys Ala Ala Gly Cys Thr Gly
1 5 10

<210> 576
<211> 9
<212> PRT
<213> Homo sapiens

<400> 576

Pro Glu Gly Arg Tyr Thr Phe Gly Ala
1 5

<210> 577
<211> 9
<212> PRT
<213> Homo sapiens

<400> 577

Pro Glu Ser Phe Asp Gly Asp Pro Ala
1 5

<210> 578
<211> 9
<212> PRT
<213> Homo sapiens

<400> 578

Pro Glu Gln Leu Gln Val Phe Glu Thr
1 5

<210> 579
<211> 10
<212> PRT
<213> Homo sapiens

<400> 579

Pro Glu Gln Leu Gln Val Phe Glu Thr Leu
1 5 10

<210> 580

<211> 13
<212> PRT
<213> Homo sapiens

<400> 580

Pro Glu Gln Leu Gln Val Phe Glu Thr Leu Glu Glu Ile
1 5 10

<210> 581
<211> 9
<212> PRT
<213> Homo sapiens

<400> 581

Phe Glu Thr Leu Glu Glu Ile Thr Gly
1 5

<210> 582
<211> 7
<212> PRT
<213> Homo sapiens

<400> 582

Leu Glu Glu Ile Thr Gly Tyr
1 5

<210> 583
<211> 9
<212> PRT
<213> Homo sapiens

<400> 583

Leu Glu Glu Ile Thr Gly Tyr Leu Tyr
1 5

<210> 584
<211> 10
<212> PRT
<213> Homo sapiens

<400> 584

Arg Ile Leu His Asn Gly Ala Tyr Ser Leu
1 5 10

<210> 585
<211> 9
<212> PRT
<213> Homo sapiens

<400> 585

Pro Glu Asp Glu Cys Val Gly Glu Gly
1 5

<210> 586
<211> 11
<212> PRT
<213> Homo sapiens

<400> 586

Pro Glu Asp Glu Cys Val Gly Glu Gly Leu Ala
1 5 10

<210> 587
<211> 9
<212> PRT
<213> Homo sapiens

<400> 587

Asp Glu Cys Val Gly Glu Gly Leu Ala
1 5

<210> 588
<211> 11
<212> PRT
<213> Homo sapiens

<400> 588

Pro Glu Cys Gln Pro Gln Asn Gly Ser Val Thr
1 5 10

<210> 589
<211> 13
<212> PRT
<213> Homo sapiens

<400> 589

Pro Glu Cys Gln Pro Gln Asn Gly Ser Val Thr Cys Phe
1 5 10

<210> 590
<211> 10
<212> PRT
<213> Homo sapiens

<400> 590

Pro Glu Ala Asp Gln Cys Val Ala Cys Ala
1 5 10

<210> 591
<211> 12

<212> PRT
<213> Homo sapiens

<400> 591

Pro Glu Ala Asp Gln Cys Val Ala Cys Ala His Tyr
1 5 10

<210> 592
<211> 7
<212> PRT
<213> Homo sapiens

<400> 592

Leu Glu Asp Val Arg Leu Val
1 5

<210> 593
<211> 7
<212> PRT
<213> Homo sapiens

<400> 593

Asp Glu Thr Glu Tyr His Ala
1 5

<210> 594
<211> 10
<212> PRT
<213> Homo sapiens

<400> 594

Leu Glu Asp Asp Asp Met Gly Asp Leu Val
1 5 10

<210> 595
<211> 10
<212> PRT
<213> Homo sapiens

<400> 595

Leu Glu Arg Pro Lys Thr Leu Ser Pro Gly
1 5 10

<210> 596
<211> 7
<212> PRT
<213> Homo sapiens

<400> 596

Val Glu Asn Pro Glu Tyr Leu

1 5

<210> 597
<211> 10
<212> PRT
<213> Homo sapiens

<400> 597

Pro Glu Tyr Leu Thr Pro Gln Gly Gly Ala
1 5 10

<210> 598
<211> 10
<212> PRT
<213> Homo sapiens

<400> 598

Arg Glu Arg Phe Glu Met Phe Arg Glu Leu
1 5 10

<210> 599
<211> 10
<212> PRT
<213> Homo sapiens

<400> 599

Gly Glu Tyr Phe Thr Leu Gln Ile Arg Gly
1 5 10

<210> 600
<211> 10
<212> PRT
<213> Homo sapiens

<400> 600

Gln Glu Thr Phe Ser Asp Leu Trp Lys Leu
1 5 10

<210> 601
<211> 9
<212> PRT
<213> Homo sapiens

<400> 601

Asp Glu Ala Pro Arg Met Pro Glu Ala
1 5

<210> 602
<211> 10
<212> PRT

<213> Homo sapiens

<400> 602

His	Glu	Arg	Cys	Ser	Asp	Ser	Asp	Gly	Leu
1				5					10

<210> 603

<211> 10

<212> PRT

<213> Homo sapiens

<400> 603

Val	Glu	Tyr	Leu	Asp	Asp	Arg	Asn	Thr	Phe
1				5					10

<210> 604

<211> 10

<212> PRT

<213> Homo sapiens

<400> 604

Phe	Glu	Val	Arg	Val	Cys	Ala	Cys	Pro	Gly
1				5					10

<210> 605

<211> 8

<212> PRT

<213> Homo sapiens

<400> 605

Gly	Glu	Tyr	Phe	Thr	Leu	Gln	Ile
1				5			

<210> 606

<211> 10

<212> PRT

<213> Homo sapiens

<400> 606

Phe	Glu	Met	Phe	Arg	Glu	Leu	Asn	Glu	Ala
1				5					10

<210> 607

<211> 11

<212> PRT

<213> Homo sapiens

<400> 607

Phe	Glu	Met	Phe	Arg	Glu	Leu	Asn	Glu	Ala	Leu
1				5						10

<210> 608
<211> 9
<212> PRT
<213> Homo sapiens

<400> 608

Arg Glu Leu Asn Glu Ala Leu Glu Leu
1 5

<210> 609
<211> 10
<212> PRT
<213> Homo sapiens

<400> 609

Ile Glu Gln Trp Phe Thr Glu Asp Pro Gly
1 5 10

<210> 610
<211> 10
<212> PRT
<213> Homo sapiens

<400> 610

Val Glu Gly Asn Leu Arg Val Glu Tyr Leu
1 5 10

<210> 611
<211> 10
<212> PRT
<213> Homo sapiens

<400> 611

Gly Glu Pro His His Glu Leu Pro Pro Gly
1 5 10

<210> 612
<211> 12
<212> PRT
<213> Homo sapiens

<400> 612

Thr Glu Asp Pro Gly Pro Asp Glu Ala Pro Arg Met
1 5 10

<210> 613
<211> 10
<212> PRT
<213> Homo sapiens

<400> 613

Asp Glu Ala Pro Arg Met Pro Glu Ala Ala
1 5 10

<210> 614

<211> 9

<212> PRT

<213> Homo sapiens

<400> 614

His Glu Arg Cys Ser Asp Ser Asp Gly
1 5

<210> 615

<211> 11

<212> PRT

<213> Homo sapiens

<400> 615

His Glu Arg Cys Ser Asp Ser Asp Gly Leu Ala
1 5 10

<210> 616

<211> 8

<212> PRT

<213> Homo sapiens

<400> 616

Leu Glu Asp Ser Ser Gly Asn Leu
1 5

<210> 617

<211> 9

<212> PRT

<213> Homo sapiens

<400> 617

Leu Glu Asp Ser Ser Gly Asn Leu Leu
1 5

<210> 618

<211> 12

<212> PRT

<213> Homo sapiens

<400> 618

Gly Glu Pro His His Glu Leu Pro Pro Gly Ser Thr
1 5 10

<210> 619
<211> 7
<212> PRT
<213> Homo sapiens

<400> 619

Arg Glu Arg Phe Glu Met Phe
1 5

<210> 620
<211> 9
<212> PRT
<213> Homo sapiens

<400> 620

Leu Glu Leu Lys Asp Ala Gln Ala Gly
1 5

<210> 621
<211> 10
<212> PRT
<213> Homo sapiens

<400> 621

Met Glu Glu Pro Gln Ser Asp Pro Ser Val
1 5 10

<210> 622
<211> 9
<212> PRT
<213> Homo sapiens

<400> 622

Val Glu Pro Pro Leu Ser Gln Glu Thr
1 5

<210> 623
<211> 10
<212> PRT
<213> Homo sapiens

<400> 623

Val Glu Pro Pro Leu Ser Gln Glu Thr Phe
1 5 10

<210> 624
<211> 11
<212> PRT
<213> Homo sapiens

<400> 624

Gln Glu Thr Phe Ser Asp Leu Trp Lys Leu Leu
1 5 10

<210> 625

<211> 9

<212> PRT

<213> Homo sapiens

<400> 625

Pro Glu Asn Asn Val Leu Ser Pro Leu
1 5

<210> 626

<211> 13

<212> PRT

<213> Homo sapiens

<400> 626

Asp Glu Ala Pro Arg Met Pro Glu Ala Ala Pro Pro Val
1 5 10

<210> 627

<211> 9

<212> PRT

<213> Homo sapiens

<400> 627

Val Glu Gly Asn Leu Arg Val Glu Tyr
1 5

<210> 628

<211> 9

<212> PRT

<213> Homo sapiens

<400> 628

Val Glu Tyr Leu Asp Asp Arg Asn Thr
1 5

<210> 629

<211> 11

<212> PRT

<213> Homo sapiens

<400> 629

Tyr Glu Pro Pro Glu Val Gly Ser Asp Cys Thr
1 5 10

<210> 630
<211> 13
<212> PRT
<213> Homo sapiens

<400> 630

Tyr Glu Pro Pro Glu Val Gly Ser Asp Cys Thr Thr Ile
1 5 10

<210> 631
<211> 10
<212> PRT
<213> Homo sapiens

<400> 631

Pro Glu Val Gly Ser Asp Cys Thr Thr Ile
1 5 10

<210> 632
<211> 10
<212> PRT
<213> Homo sapiens

<400> 632

Leu Glu Asp Ser Ser Gly Asn Leu Leu Gly
1 5 10

<210> 633
<211> 10
<212> PRT
<213> Homo sapiens

<400> 633

Thr Glu Glu Glu Asn Leu Arg Lys Lys Gly
1 5 10

<210> 634
<211> 11
<212> PRT
<213> Homo sapiens

<400> 634

His Glu Leu Pro Pro Gly Ser Thr Lys Arg Ala
1 5 10

<210> 635
<211> 9
<212> PRT
<213> Homo sapiens

<400> 635

Asn Glu Ala Leu Glu Leu Lys Asp Ala
1 5

<210> 636
<211> 11
<212> PRT
<213> Homo sapiens

<400> 636

Asn Glu Ala Leu Glu Leu Lys Asp Ala Gln Ala
1 5 10

<210> 637
<211> 9
<212> PRT
<213> Homo sapiens

<400> 637

Glu Glu Pro Gln Ser Asp Pro Ser Val
1 5

<210> 638
<211> 7
<212> PRT
<213> Homo sapiens

<400> 638

Gln Glu Thr Phe Ser Asp Leu
1 5

<210> 639
<211> 9
<212> PRT
<213> Homo sapiens

<400> 639

Thr Glu Asp Pro Gly Pro Asp Glu Ala
1 5

<210> 640
<211> 7
<212> PRT
<213> Homo sapiens

<400> 640

Pro Glu Ala Ala Pro Pro Val
1 5

<210> 641

<211> 10
<212> PRT
<213> Homo sapiens

<400> 641

Pro Glu Ala Ala Pro Pro Val Ala Pro Ala
1 5 10

<210> 642
<211> 9
<212> PRT
<213> Homo sapiens

<400> 642

Pro Glu Val Gly Ser Asp Cys Thr Thr
1 5

<210> 643
<211> 12
<212> PRT
<213> Homo sapiens

<400> 643

Pro Glu Val Gly Ser Asp Cys Thr Thr Ile His Tyr
1 5 10

<210> 644
<211> 9
<212> PRT
<213> Homo sapiens

<400> 644

Glu Glu Glu Asn Leu Arg Lys Lys Gly
1 5

<210> 645
<211> 9
<212> PRT
<213> Homo sapiens

<400> 645

Leu Glu Ser Glu Phe Gln Ala Ala Ile
1 5

<210> 646
<211> 13
<212> PRT
<213> Homo sapiens

<400> 646

Leu Glu Ser Glu Phe Gln Ala Ala Ile Ser Arg Lys Met
1 5 10

<210> 647
<211> 11
<212> PRT
<213> Homo sapiens

<400> 647

Ser Glu Phe Gln Ala Ala Ile Ser Arg Lys Met
1 5 10

<210> 648
<211> 12
<212> PRT
<213> Homo sapiens

<400> 648

Ser Glu Phe Gln Ala Ala Ile Ser Arg Lys Met Val
1 5 10

<210> 649
<211> 9
<212> PRT
<213> Homo sapiens

<400> 649

Ser Glu Tyr Leu Gln Leu Val Phe Gly
1 5

<210> 650
<211> 10
<212> PRT
<213> Homo sapiens

<400> 650

Ser Glu Tyr Leu Gln Leu Val Phe Gly Ile
1 5 10

<210> 651
<211> 13
<212> PRT
<213> Homo sapiens

<400> 651

Ser Glu Tyr Leu Gln Leu Val Phe Gly Ile Glu Val Val
1 5 10

<210> 652
<211> 10

<212> PRT
<213> Homo sapiens

<400> 652

Trp Glu Glu Leu Ser Met Leu Glu Val Phe
1 5 10

<210> 653
<211> 10
<212> PRT
<213> Homo sapiens

<400> 653

Gln Glu Asn Tyr Leu Glu Tyr Arg Gln Val
1 5 10

<210> 654
<211> 11
<212> PRT
<213> Homo sapiens

<400> 654

Tyr Glu Phe Leu Trp Gly Pro Arg Ala Leu Ile
1 5 10

<210> 655
<211> 13
<212> PRT
<213> Homo sapiens

<400> 655

Leu Glu Ala Arg Gly Glu Ala Leu Gly Leu Val Gly Ala
1 5 10

<210> 656
<211> 10
<212> PRT
<213> Homo sapiens

<400> 656

Val Glu Val Thr Leu Gly Glu Val Pro Ala
1 5 10

<210> 657
<211> 10
<212> PRT
<213> Homo sapiens

<400> 657

Glu Glu Gly Pro Arg Met Phe Pro Asp Leu

1 5 10

<210> 658
<211> 8
<212> PRT
<213> Homo sapiens

<400> 658

Ala Glu Met Leu Glu Ser Val Leu
1 5

<210> 659
<211> 12
<212> PRT
<213> Homo sapiens

<400> 659

Leu Glu Ser Val Leu Arg Asn Cys Gln Asp Phe Phe
1 5 10

<210> 660
<211> 8
<212> PRT
<213> Homo sapiens

<400> 660

Ser Glu Tyr Leu Gln Leu Val Phe
1 5

<210> 661
<211> 11
<212> PRT
<213> Homo sapiens

<400> 661

Val Glu Val Val Pro Ile Ser His Leu Tyr Ile
1 5 10

<210> 662
<211> 10
<212> PRT
<213> Homo sapiens

<400> 662

Glu Glu Lys Ile Trp Glu Glu Leu Ser Met
1 5 10

<210> 663
<211> 11
<212> PRT

<213> Homo sapiens

<400> 663

Glu Glu Leu Ser Met Leu Glu Val Phe Glu Gly
1 5 10

<210> 664

<211> 9

<212> PRT

<213> Homo sapiens

<400> 664

Tyr Glu Phe Leu Trp Gly Pro Arg Ala
1 5

<210> 665

<211> 10

<212> PRT

<213> Homo sapiens

<400> 665

Tyr Glu Phe Leu Trp Gly Pro Arg Ala Leu
1 5 10

<210> 666

<400> 666

000

<210> 667

<211> 9

<212> PRT

<213> Homo sapiens

<400> 667

Ile Glu Thr Ser Tyr Val Lys Val Leu
1 5

<210> 668

<211> 8

<212> PRT

<213> Homo sapiens

<400> 668

Leu Glu Ala Arg Gly Glu Ala Leu
1 5

<210> 669

<211> 10

<212> PRT
<213> Homo sapiens

<400> 669

Leu Glu Ala Arg Gly Glu Ala Leu Gly Leu
1 5 10

<210> 670
<211> 11
<212> PRT
<213> Homo sapiens

<400> 670

Leu Glu Ala Arg Gly Glu Ala Leu Gly Leu Val
1 5 10

<210> 671
<211> 8
<212> PRT
<213> Homo sapiens

<400> 671

Val Glu Leu Val His Phe Leu Leu
1 5

<210> 672
<211> 9
<212> PRT
<213> Homo sapiens

<400> 672

Val Glu Leu Val His Phe Leu Leu Leu
1 5

<210> 673
<211> 9
<212> PRT
<213> Homo sapiens

<400> 673

Arg Glu Pro Val Thr Lys Ala Glu Met
1 5

<210> 674
<211> 10
<212> PRT
<213> Homo sapiens

<400> 674

Arg Glu Pro Val Thr Lys Ala Glu Met Leu

1 5 10

<210> 675
<211> 9
<212> PRT
<213> Homo sapiens

<400> 675

Ile Glu Val Val Glu Val Val Pro Ile
1 5

<210> 676
<211> 9
<212> PRT
<213> Homo sapiens

<400> 676

Val Glu Val Val Pro Ile Ser His Leu
1 5

<210> 677

<400> 677

000

<210> 678
<211> 12
<212> PRT
<213> Homo sapiens

<400> 678

Val Glu Val Val Pro Ile Ser His Leu Tyr Ile Leu
1 5 10

<210> 679
<211> 13
<212> PRT
<213> Homo sapiens

<400> 679

Val Glu Val Val Pro Ile Ser His Leu Tyr Ile Leu Val
1 5 10

<210> 680
<211> 9
<212> PRT
<213> Homo sapiens

<400> 680

Trp Glu Glu Leu Ser Met Leu Glu Val
1 5

<210> 681
<211> 9
<212> PRT
<213> Homo sapiens

<400> 681

Glu Glu Leu Ser Met Leu Glu Val Phe
1 5

<210> 682
<211> 10
<212> PRT
<213> Homo sapiens

<400> 682

Gly Glu Pro His Ile Ser Tyr Pro Pro Leu
1 5 10

<210> 683
<211> 11
<212> PRT
<213> Homo sapiens

<400> 683

Glu Glu Gly Leu Glu Ala Arg Gly Glu Ala Leu
1 5 10

<210> 684
<211> 9
<212> PRT
<213> Homo sapiens

<400> 684

Gly Glu Ala Leu Gly Leu Val Gly Ala
1 5

<210> 685
<211> 11
<212> PRT
<213> Homo sapiens

<400> 685

Gly Glu Ala Leu Gly Leu Val Gly Ala Gln Ala
1 5 10

<210> 686
<211> 12

<212> PRT
<213> Homo sapiens

<400> 686

Glu Glu Gln Gln Thr Ala Ser Ser Ser Ser Thr Leu
1 5 10

<210> 687
<211> 8
<212> PRT
<213> Homo sapiens

<400> 687

Gln Glu Glu Glu Gly Pro Arg Met
1 5

<210> 688
<211> 9
<212> PRT
<213> Homo sapiens

<400> 688

Gln Glu Glu Glu Gly Pro Arg Met Phe
1 5

<210> 689
<211> 11
<212> PRT
<213> Homo sapiens

<400> 689

Val Glu Leu Val His Phe Leu Leu Leu Lys Tyr
1 5 10

<210> 690
<211> 11
<212> PRT
<213> Homo sapiens

<400> 690

Leu Glu Ser Val Leu Arg Asn Cys Gln Asp Phe
1 5 10

<210> 691
<211> 13
<212> PRT
<213> Homo sapiens

<400> 691

Ile Glu Val Val Glu Val Val Pro Ile Ser His Leu Tyr

1 5 10

<210> 692
<211> 10
<212> PRT
<213> Homo sapiens

<400> 692

Val Glu Val Val Pro Ile Ser His Leu Tyr
1 5 10

<210> 693
<211> 9
<212> PRT
<213> Homo sapiens

<400> 693

Phe Glu Gly Arg Glu Asp Ser Val Phe
1 5

<210> 694
<211> 10
<212> PRT
<213> Homo sapiens

<400> 694

Glu Glu Gly Leu Glu Ala Arg Gly Glu Ala
1 5 10

<210> 695
<211> 9
<212> PRT
<213> Homo sapiens

<400> 695

Leu Glu Ala Arg Gly Glu Ala Leu Gly
1 5

<210> 696
<211> 11
<212> PRT
<213> Homo sapiens

<400> 696

Val Glu Val Thr Leu Gly Glu Val Pro Ala Ala
1 5 10

<210> 697
<211> 11
<212> PRT

<213> Homo sapiens

<400> 697

Glu Glu Glu Gly Pro Arg Met Phe Pro Asp Leu
1 5 10

<210> 698

<211> 7

<212> PRT

<213> Homo sapiens

<400> 698

Ser Glu Phe Gln Ala Ala Ile
1 5

<210> 699

<211> 13

<212> PRT

<213> Homo sapiens

<400> 699

Arg Glu Pro Val Thr Lys Ala Glu Met Leu Glu Ser Val
1 5 10

<210> 700

<211> 11

<212> PRT

<213> Homo sapiens

<400> 700

Ile Glu Gly Asp Cys Ala Pro Glu Glu Lys Ile
1 5 10

<210> 701

<211> 8

<212> PRT

<213> Homo sapiens

<400> 701

Glu Glu Lys Ile Trp Glu Glu Leu
1 5

<210> 702

<211> 11

<212> PRT

<213> Homo sapiens

<400> 702

Glu Glu Lys Ile Trp Glu Glu Leu Ser Met Leu
1 5 10

<210> 703
<211> 11
<212> PRT
<213> Homo sapiens

<400> 703

Leu Glu Val Phe Glu Gly Arg Glu Asp Ser Val
1 5 10

<210> 704
<211> 10
<212> PRT
<213> Homo sapiens

<400> 704

Phe Glu Gly Arg Glu Asp Ser Val Phe Ala
1 5 10

<210> 705
<211> 9
<212> PRT
<213> Homo sapiens

<400> 705

Pro Glu Glu Gly Leu Glu Ala Arg Gly
1 5

<210> 706
<211> 11
<212> PRT
<213> Homo sapiens

<400> 706

Glu Glu Gln Gln Thr Ala Ser Ser Ser Ser Thr
1 5 10

<210> 707
<211> 12
<212> PRT
<213> Homo sapiens

<400> 707

Gln Glu Glu Glu Gly Pro Arg Met Phe Pro Asp Leu
1 5 10

<210> 708
<211> 8
<212> PRT
<213> Homo sapiens

<400> 708

Glu Glu Glu Gly Pro Arg Met Phe
1 5

<210> 709

<211> 7

<212> PRT

<213> Homo sapiens

<400> 709

Ser Glu Tyr Leu Gln Leu Val
1 5

<210> 710

<211> 9

<212> PRT

<213> Homo sapiens

<400> 710

Pro Glu Glu Lys Ile Trp Glu Glu Leu
1 5

<210> 711

<211> 7

<212> PRT

<213> Homo sapiens

<400> 711

Gly Glu Pro His Ile Ser Tyr
1 5

<210> 712

<211> 11

<212> PRT

<213> Homo sapiens

<400> 712

Pro Glu Glu Gly Leu Glu Ala Arg Gly Glu Ala
1 5 10

<210> 713

<211> 13

<212> PRT

<213> Homo sapiens

<400> 713

Glu Glu Gly Leu Glu Ala Arg Gly Glu Ala Leu Gly Leu
1 5 10

<210> 714
<211> 11
<212> PRT
<213> Homo sapiens

<400> 714

Asp Glu Gly Ser Ser Asn Gln Glu Glu Glu Gly
1 5 10

<210> 715
<211> 11
<212> PRT
<213> Homo sapiens

<400> 715

Pro Glu Glu Lys Ile Trp Glu Glu Leu Ser Met
1 5 10

<210> 716
<211> 7
<212> PRT
<213> Homo sapiens

<400> 716

Trp Glu Glu Leu Ser Met Leu
1 5

<210> 717
<211> 7
<212> PRT
<213> Homo sapiens

<400> 717

Trp Glu Glu Leu Ser Met Leu
1 5

<210> 718
<211> 7
<212> PRT
<213> Homo sapiens

<400> 718

Trp Glu Glu Leu Ser Met Leu
1 5

<210> 719
<211> 10
<212> PRT
<213> Homo sapiens

<400> 719

Gln Glu Ala Ala Ser Ser Ser Ser Thr Leu
1 5 10

<210> 720

<211> 9

<212> PRT

<213> Homo sapiens

<400> 720

Leu Glu Ser Glu Phe Gln Ala Ala Leu
1 5

<210> 721

<211> 9

<212> PRT

<213> Homo sapiens

<400> 721

Ala Glu Leu Val His Phe Leu Leu Leu
1 5

<210> 722

<211> 9

<212> PRT

<213> Homo sapiens

<400> 722

Met Glu Val Asp Pro Ile Gly His Leu
1 5

<210> 723

<211> 11

<212> PRT

<213> Homo sapiens

<400> 723

Met Glu Val Asp Pro Ile Gly His Leu Tyr Ile
1 5 10

<210> 724

<211> 8

<212> PRT

<213> Homo sapiens

<400> 724

Ala Glu Leu Val His Phe Leu Leu
1 5

<210> 725
<211> 11
<212> PRT
<213> Homo sapiens

<400> 725

Ala Glu Leu Val His Phe Leu Leu Leu Lys Tyr
1 5 10

<210> 726
<211> 9
<212> PRT
<213> Homo sapiens

<400> 726

Ala Glu Met Leu Gly Ser Val Val Gly
1 5

<210> 727
<211> 10
<212> PRT
<213> Homo sapiens

<400> 727

Glu Glu Lys Ile Trp Glu Glu Leu Ser Val
1 5 10

<210> 728
<211> 10
<212> PRT
<213> Homo sapiens

<400> 728

Trp Glu Glu Leu Ser Val Leu Glu Val Phe
1 5 10

<210> 729
<211> 9
<212> PRT
<213> Homo sapiens

<400> 729

Val Glu Thr Ser Tyr Val Lys Val Leu
1 5

<210> 730
<211> 10
<212> PRT
<213> Homo sapiens

<400> 730

Glu Glu Gly Pro Ser Thr Phe Pro Asp Leu
1 5 10

<210> 731
<211> 9
<212> PRT
<213> Homo sapiens

<400> 731

Ile Glu Leu Met Glu Val Asp Pro Ile
1 5

<210> 732
<211> 10
<212> PRT
<213> Homo sapiens

<400> 732

Met Glu Val Asp Pro Ile Gly His Leu Tyr
1 5 10

<210> 733
<211> 11
<212> PRT
<213> Homo sapiens

<400> 733

Glu Glu Lys Ile Trp Glu Glu Leu Ser Val Leu
1 5 10

<210> 734
<211> 9
<212> PRT
<213> Homo sapiens

<400> 734

Glu Glu Leu Ser Val Leu Glu Val Phe
1 5

<210> 735
<211> 8
<212> PRT
<213> Homo sapiens

<400> 735

Glu Glu Glu Gly Pro Ser Thr Phe
1 5

<210> 736

<211> 11
<212> PRT
<213> Homo sapiens

<400> 736

Glu Glu Glu Gly Pro Ser Thr Phe Pro Asp Leu
1 5 10

<210> 737
<211> 9
<212> PRT
<213> Homo sapiens

<400> 737

Trp Glu Glu Leu Ser Val Leu Glu Val
1 5

<210> 738
<211> 9
<212> PRT
<213> Homo sapiens

<400> 738

Phe Glu Gly Arg Glu Asp Ser Ile Leu
1 5

<210> 739
<211> 10
<212> PRT
<213> Homo sapiens

<400> 739

Phe Glu Gly Arg Glu Asp Ser Ile Leu Gly
1 5 10

<210> 740
<211> 9
<212> PRT
<213> Homo sapiens

<400> 740

Gln Glu Ala Ala Ser Ser Ser Ser Thr
1 5

<210> 741
<211> 11
<212> PRT
<213> Homo sapiens

<400> 741

Arg Glu Gly Asp Cys Ala Pro Glu Glu Lys Ile
1 5 10

<210> 742
<211> 11
<212> PRT
<213> Homo sapiens

<400> 742

Leu Glu Val Phe Glu Gly Arg Glu Asp Ser Ile
1 5 10

<210> 743
<211> 8
<212> PRT
<213> Homo sapiens

<400> 743

Phe Glu Gly Arg Glu Asp Ser Ile
1 5

<210> 744
<211> 9
<212> PRT
<213> Homo sapiens

<400> 744

Gln Glu Glu Glu Gly Pro Ser Thr Phe
1 5

<210> 745
<211> 10
<212> PRT
<213> Homo sapiens

<400> 745

Ile Glu Leu Met Glu Val Asp Pro Ile Gly
1 5 10

<210> 746
<211> 212
<212> PRT
<213> Hepatitis B virus

<400> 746

Met Gln Leu Phe His Leu Cys Leu Ile Ile Ser Cys Ser Cys Pro Thr
1 5 10 15

Val Gln Ala Ser Lys Leu Cys Leu Gly Trp Leu Trp Gly Met Asp Ile
20 25 30

Asp Pro Tyr Lys Glu Phe Gly Ala Thr Val Glu Leu Leu Ser Phe Leu
35 40 45

Pro Ser Asp Phe Phe Pro Ser Val Arg Asp Leu Leu Asp Thr Ala Ser
50 55 60

Ala Leu Tyr Arg Glu Ala Leu Glu Ser Pro Glu His Cys Ser Pro His
65 70 75 80

His Thr Ala Leu Arg Gln Ala Ile Leu Cys Trp Gly Glu Leu Met Thr
85 90 95

Leu Ala Thr Trp Val Gly Val Asn Leu Glu Asp Pro Ala Ser Arg Asp
100 105 110

Leu Val Val Ser Tyr Val Asn Thr Asn Met Gly Leu Lys Phe Arg Gln
115 120 125

Leu Leu Trp Phe His Ile Ser Cys Leu Thr Phe Gly Arg Glu Thr Val
130 135 140

Ile Glu Tyr Leu Val Ser Phe Gly Val Trp Ile Arg Thr Pro Pro Ala
145 150 155 160

Tyr Arg Pro Pro Asn Ala Pro Ile Leu Ser Thr Leu Pro Glu Thr Thr
165 170 175

Val Val Arg Arg Arg Gly Arg Ser Pro Arg Arg Arg Thr Pro Ser Pro
180 185 190

Arg Arg Arg Arg Ser Gln Ser Pro Arg Arg Arg Arg Ser Gln Ser Arg
195 200 205

Glu Ser Gln Cys
210

<210> 747
<211> 10
<212> PRT
<213> Unknown

<220>
<223> A3 non-natural consensus peptide

<400> 747

Lys Val Phe Pro Tyr Ala Leu Ile Asn Lys

1 5 10

<210> 748
<211> 11
<212> PRT
<213> Hepatitis B virus

<400> 748

Ser Thr Leu Pro Glu Thr Tyr Val Val Arg Arg
1 5 10

<210> 749
<211> 9
<212> PRT
<213> Unknown

<220>
<223> B35con2 peptide

<400> 749

Phe Pro Phe Lys Tyr Ala Ala Ala Phe
1 5

<210> 750
<211> 9
<212> PRT
<213> Unknown

<220>
<223> A0201 Signal Sequence 5-13a.Y7

<400> 750

Ala Pro Arg Thr Leu Val Tyr Leu Leu
1 5

<210> 751
<211> 9
<212> PRT
<213> Homo sapiens

<400> 751

Tyr Thr Ala Val Val Pro Leu Val Tyr
1 5

<210> 752
<211> 9
<212> PRT
<213> Unknown

<220>
<223> Alcon peptide

<400> 752

Tyr Leu Glu Pro Ala Ile Ala Lys Tyr
1 5

<210> 753

<211> 9

<212> PRT

<213> Unknown

<220>

<223> A24con peptide

<400> 753

Ala Tyr Ile Asp Asn Tyr Asn Lys Phe
1 5

<210> 754

<211> 394

<212> PRT

<213> Homo sapiens

<400> 754

Met Glu Ser Pro Ser Ala Pro Pro His Arg Trp Cys Ile Pro Trp Gln
1 5 10 15

Arg Leu Leu Leu Thr Ala Ser Leu Leu Thr Phe Trp Asn Pro Pro Thr
20 25 30

Thr Ala Lys Leu Thr Ile Glu Ser Thr Pro Phe Asn Val Ala Glu Gly
35 40 45

Lys Glu Val Leu Leu Leu Val His Asn Leu Pro Gln His Leu Phe Gly
50 55 60

Tyr Ser Trp Tyr Lys Gly Glu Arg Val Asp Gly Asn Arg Gln Ile Ile
65 70 75 80

Gly Tyr Val Ile Gly Thr Gln Gln Ala Thr Pro Gly Pro Ala Tyr Ser
85 90 95

Gly Arg Glu Ile Ile Tyr Pro Asn Ala Ser Leu Leu Ile Gln Asn Ile
100 105 110

Ile Gln Asn Asp Thr Gly Phe Tyr Thr Leu His Val Ile Lys Ser Asp
115 120 125

Leu Val Asn Glu Glu Ala Thr Gly Gln Phe Arg Val Tyr Pro Glu Leu
130 135 140

Pro	Lys	Pro	Ser	Ile	Ser	Ser	Asn	Asn	Ser	Lys	Pro	Val	Glu	Asp	Lys
145					150					155					160
Asp	Ala	Val	Ala	Phe	Thr	Cys	Glu	Pro	Glu	Thr	Gln	Asp	Ala	Thr	Tyr
				165					170					175	
Leu	Trp	Trp	Val	Asn	Asn	Gln	Ser	Leu	Pro	Val	Ser	Pro	Arg	Leu	Gln
			180					185					190		
Leu	Ser	Asn	Gly	Asn	Arg	Thr	Leu	Thr	Leu	Phe	Asn	Val	Thr	Arg	Asn
	195						200					205			
Asp	Thr	Ala	Ser	Tyr	Lys	Cys	Glu	Thr	Gln	Asn	Pro	Val	Ser	Ala	Arg
210						215					220				
Arg	Ser	Asp	Ser	Val	Ile	Leu	Asn	Val	Leu	Tyr	Gly	Pro	Asp	Ala	Pro
225					230					235					240
Thr	Ile	Ser	Pro	Leu	Asn	Thr	Ser	Tyr	Arg	Ser	Gly	Glu	Asn	Leu	Asn
				245					250					255	
Leu	Ser	Cys	His	Ala	Ala	Ser	Asn	Pro	Pro	Ala	Gln	Tyr	Ser	Trp	Phe
			260					265					270		
Val	Asn	Gly	Thr	Phe	Gln	Gln	Ser	Thr	Gln	Glu	Leu	Phe	Ile	Pro	Asn
		275					280					285			
Ile	Thr	Val	Asn	Asn	Ser	Gly	Ser	Tyr	Thr	Cys	Gln	Ala	His	Asn	Ser
290						295					300				
Asp	Thr	Gly	Leu	Asn	Arg	Thr	Thr	Val	Thr	Thr	Ile	Thr	Val	Tyr	Ala
305					310					315					320
Glu	Pro	Pro	Lys	Pro	Phe	Ile	Thr	Ser	Asn	Asn	Ser	Asn	Pro	Val	Glu
				325					330					335	
Asp	Glu	Asp	Ala	Val	Ala	Leu	Thr	Cys	Glu	Pro	Glu	Ile	Gln	Asn	Thr
			340					345					350		
Thr	Tyr	Leu	Trp	Trp	Val	Asn	Asn	Gln	Ser	Leu	Pro	Val	Ser	Pro	Arg
		355					360					365			
Leu	Gln	Leu	Ser	Asn	Asp	Asn	Arg	Thr	Leu	Thr	Leu	Leu	Ser	Val	Thr
370						375					380				

Arg Asn Asp Val Gly Pro Tyr Glu Cys Gly
385 390

<210> 755
<211> 102
<212> PRT
<213> Homo sapiens

<400> 755

Pro Asp Ser Ser Tyr Leu Ser Gly Ala Asn Leu Asn Leu Ser Cys His
1 5 10 15

Ser Ala Ser Asn Pro Ser Pro Gln Tyr Ser Trp Arg Ile Asn Gly Ile
20 25 30

Pro Gln Gln His Thr Gln Val Leu Phe Ile Ala Lys Ile Thr Pro Asn
35 40 45

Asn Asn Gly Thr Tyr Ala Cys Phe Val Ser Asn Leu Ala Thr Gly Arg
50 55 60

Asn Asn Ser Ile Val Lys Ser Ile Thr Val Ser Ala Ser Gly Thr Ser
65 70 75 80

Pro Gly Leu Ser Ala Gly Ala Thr Val Gly Ile Met Ile Gly Val Leu
85 90 95

Val Gly Val Ala Leu Ile
100

<210> 756
<211> 19
<212> PRT
<213> Homo sapiens

<400> 756

Ser Ala Asn Arg Ser Asp Pro Val Thr Leu Asp Val Leu Tyr Gly Pro
1 5 10 15

Asp Thr Pro

<210> 757
<211> 550
<212> PRT
<213> Homo sapiens

<400> 757

Ile Cys Thr Ile Asp Val Tyr Met Ile Met Val Lys Cys Trp Met Ile
245 250 255

Asp Ser Glu Cys Arg Pro Arg Phe Arg Glu Leu Val Ser Glu Phe Ser
260 265 270

Arg Met Ala Arg Asp Pro Gln Arg Phe Val Val Ile Gln Asn Glu Asp
275 280 285

Leu Gly Pro Ala Ser Pro Leu Asp Ser Thr Phe Tyr Arg Ser Leu Leu
290 295 300

Glu Asp Asp Asp Met Gly Asp Leu Val Asp Ala Glu Glu Tyr Leu Val
305 310 315 320

Pro Gln Gln Gly Phe Phe Cys Pro Asp Pro Ala Pro Gly Ala Gly Gly
325 330 335

Met Val His His Arg His Arg Ser Ser Ser Thr Arg Ser Gly Gly Gly
340 345 350

Asp Leu Thr Leu Gly Leu Glu Pro Ser Glu Glu Glu Ala Pro Arg Ser
355 360 365

Pro Leu Ala Pro Ser Glu Gly Ala Gly Ser Asp Val Phe Asp Gly Asp
370 375 380

Leu Gly Met Gly Ala Ala Lys Gly Leu Gln Ser Leu Pro Thr His Asp
385 390 395 400

Pro Ser Pro Leu Gln Arg Tyr Ser Glu Asp Pro Thr Val Pro Leu Pro
405 410 415

Ser Glu Thr Asp Gly Tyr Val Ala Pro Leu Thr Cys Ser Pro Gln Pro
420 425 430

Glu Tyr Val Asn Gln Pro Asp Val Arg Pro Gln Pro Pro Ser Pro Arg
435 440 445

Glu Gly Pro Leu Pro Ala Ala Arg Pro Ala Gly Ala Thr Leu Glu Arg
450 455 460

Pro Lys Thr Leu Ser Pro Gly Lys Asn Gly Val Val Lys Asp Val Phe
465 470 475 480

Ala Phe Gly Gly Ala Val Glu Asn Pro Glu Tyr Leu Thr Pro Gln Gly

	485		490		495										
Gly	Ala	Ala	Pro	Gln	Pro	His	Pro	Pro	Pro	Ala	Phe	Ser	Pro	Ala	Phe
			500					505					510		
Asp	Asn	Leu	Tyr	Tyr	Trp	Asp	Gln	Asp	Pro	Pro	Glu	Arg	Gly	Ala	Pro
		515					520					525			
Pro	Ser	Thr	Phe	Lys	Gly	Thr	Pro	Thr	Ala	Glu	Asn	Pro	Glu	Tyr	Leu
	530					535					540				
Gly	Leu	Asp	Val	Pro	Val										
545					550										
<210>	758														
<211>	214														
<212>	PRT														
<213>	Homo sapiens														
<400>	758														
Met	Val	His	His	Arg	His	Arg	Ser	Ser	Ser	Thr	Arg	Ser	Gly	Gly	Gly
1				5					10					15	
Asp	Leu	Thr	Leu	Gly	Leu	Glu	Pro	Ser	Glu	Glu	Glu	Ala	Pro	Arg	Ser
			20					25					30		
Pro	Leu	Ala	Pro	Ser	Glu	Gly	Ala	Gly	Ser	Asp	Val	Phe	Asp	Gly	Asp
	35						40					45			
Leu	Gly	Met	Gly	Ala	Ala	Lys	Gly	Leu	Gln	Ser	Leu	Pro	Thr	His	Asp
50						55					60				
Pro	Ser	Pro	Leu	Gln	Arg	Tyr	Ser	Glu	Asp	Pro	Thr	Val	Pro	Leu	Pro
65					70					75					80
Ser	Glu	Thr	Asp	Gly	Tyr	Val	Ala	Pro	Leu	Thr	Cys	Ser	Pro	Gln	Pro
			85						90					95	
Glu	Tyr	Val	Asn	Gln	Pro	Asp	Val	Arg	Pro	Gln	Pro	Pro	Ser	Pro	Arg
			100					105					110		
Glu	Gly	Pro	Leu	Pro	Ala	Ala	Arg	Pro	Ala	Gly	Ala	Thr	Leu	Glu	Arg
		115					120					125			
Pro	Lys	Thr	Leu	Ser	Pro	Gly	Lys	Asn	Gly	Val	Val	Lys	Asp	Val	Phe
	130					135						140			

Ala Phe Gly Gly Ala Val Glu Asn Pro Glu Tyr Leu Thr Pro Gln Gly
145 150 155 160

Gly Ala Ala Pro Gln Pro His Pro Pro Pro Ala Phe Ser Pro Ala Phe
165 170 175

Asp Asn Leu Tyr Tyr Trp Asp Gln Asp Pro Pro Glu Arg Gly Ala Pro
180 185 190

Pro Ser Thr Phe Lys Gly Thr Pro Thr Ala Glu Asn Pro Glu Tyr Leu
195 200 205

Gly Leu Asp Val Pro Val
210

<210> 759
<211> 27
<212> PRT
<213> Homo sapiens

<400> 759

Met Ala Leu Glu Ser Ile Leu Arg Arg Arg Phe Thr His Gln Ser Asp
1 5 10 15

Val Trp Ser Tyr Gly Val Thr Val Trp Glu Leu
20 25

<210> 760
<211> 119
<212> PRT
<213> Homo sapiens

<400> 760

Met Pro Lys Thr Gly Leu Leu Ile Ile Val Leu Ala Ile Ile Ala Ile
1 5 10 15

Glu Gly Asp Cys Ala Pro Glu Glu Lys Ile Trp Glu Glu Leu Ser Met
20 25 30

Leu Glu Val Phe Glu Gly Arg Glu Asp Ser Val Phe Ala His Pro Arg
35 40 45

Lys Leu Leu Met Gln Asp Leu Val Gln Glu Asn Tyr Leu Glu Tyr Arg
50 55 60

Gln Val Pro Gly Ser Asp Pro Ala Cys Tyr Glu Phe Leu Trp Gly Pro
65 70 75 80

Arg Ala Leu Ile Glu Thr Ser Tyr Val Lys Val Leu His His Thr Leu
85 90 95

Lys Ile Gly Gly Glu Pro His Ile Ser Tyr Pro Pro Leu His Glu Arg
100 105 110

Ala Leu Arg Glu Gly Glu Glu
115

<210> 761

<211> 166

<212> PRT

<213> Homo sapiens

<400> 761

Met Pro Leu Glu Gln Arg Ser Gln His Cys Lys Pro Glu Glu Gly Leu
1 5 10 15

Glu Ala Arg Gly Glu Ala Leu Gly Leu Val Gly Ala Gln Ala Pro Ala
20 25 30

Thr Glu Glu Gln Glu Ala Ala Ser Ser Ser Thr Leu Val Glu Val
35 40 45

Thr Leu Gly Glu Val Pro Ala Ala Glu Ser Pro Asp Pro Pro Gln Ser
50 55 60

Pro Gln Gly Ala Ser Ser Leu Pro Thr Thr Met Asn Tyr Pro Leu Trp
65 70 75 80

Ser Gln Ser Tyr Glu Asp Ser Ser Asn Gln Glu Glu Glu Gly Pro Ser
85 90 95

Thr Phe Pro Asp Leu Glu Ser Glu Phe Gln Ala Ala Leu Ser Arg Lys
100 105 110

Val Ala Glu Leu Val His Phe Leu Leu Leu Lys Tyr Arg Ala Arg Glu
115 120 125

Pro Val Thr Lys Ala Glu Met Leu Gly Ser Val Val Gly Asn Trp Gln
130 135 140

Tyr Phe Phe Pro Val Ile Phe Ser Lys Ala Ser Ser Ser Leu Gln Leu
145 150 155 160

Val Phe Gly Ile Glu Leu
165

<210> 762
<211> 15
<212> PRT
<213> Homo sapiens

<400> 762

Lys Leu Leu Thr Gln His Phe Val Gln Glu Asn Tyr Leu Glu Tyr
1 5 10 15

<210> 763
<211> 354
<212> PRT
<213> Homo sapiens

<400> 763

Met Asp Asp Leu Met Leu Ser Pro Asp Asp Ile Glu Gln Trp Phe Thr
1 5 10 15

Glu Asp Pro Gly Pro Asp Glu Ala Pro Arg Met Pro Glu Ala Ala Pro
20 25 30

Pro Val Ala Pro Ala Pro Ala Ala Pro Thr Pro Ala Ala Pro Ala Pro
35 40 45

Ala Pro Ser Trp Pro Leu Ser Ser Ser Val Pro Ser Gln Lys Thr Tyr
50 55 60

Gln Gly Ser Tyr Gly Phe Arg Leu Gly Phe Leu His Ser Gly Thr Ala
65 70 75 80

Lys Ser Val Thr Cys Thr Tyr Ser Pro Ala Leu Asn Lys Met Phe Cys
85 90 95

Gln Leu Ala Lys Thr Cys Pro Val Gln Leu Trp Val Asp Ser Thr Pro
100 105 110

Pro Pro Gly Thr Arg Val Arg Ala Met Ala Ile Tyr Lys Gln Ser Gln
115 120 125

His Met Thr Glu Val Val Arg Arg Cys Pro His His Glu Arg Cys Ser
130 135 140

Asp Ser Asp Gly Leu Ala Pro Pro Gln His Leu Ile Arg Val Glu Gly
145 150 155 160

Asn Leu Arg Val Glu Tyr Leu Asp Asp Arg Asn Thr Phe Arg His Ser
165 170 175

Val Val Val Pro Tyr Glu Pro Pro Glu Val Gly Ser Asp Cys Thr Thr
180 185 190

Ile His Tyr Asn Tyr Met Cys Asn Ser Ser Cys Met Gly Gly Met Asn
195 200 205

Arg Arg Pro Ile Leu Thr Ile Ile Thr Leu Glu Asp Ser Ser Gly Asn
210 215 220

Leu Leu Gly Arg Asn Ser Phe Glu Val Arg Val Cys Ala Cys Pro Gly
225 230 235 240

Arg Asp Arg Arg Thr Glu Glu Glu Asn Leu Arg Lys Lys Gly Glu Pro
245 250 255

His His Glu Leu Pro Pro Gly Ser Thr Lys Arg Ala Leu Pro Asn Asn
260 265 270

Thr Ser Ser Ser Pro Gln Pro Lys Lys Lys Pro Leu Asp Gly Glu Tyr
275 280 285

Phe Thr Leu Gln Ile Arg Gly Arg Glu Arg Phe Glu Met Phe Arg Glu
290 295 300

Leu Asn Glu Ala Leu Glu Leu Lys Asp Ala Gln Ala Gly Lys Glu Pro
305 310 315 320

Gly Gly Ser Arg Ala His Ser Ser His Leu Lys Ser Lys Lys Gly Gln
325 330 335

Ser Thr Ser Arg His Lys Lys Leu Met Phe Lys Thr Glu Gly Pro Asp
340 345 350

Ser Asp

<210> 764

<211> 19

<212> PRT

<213> Homo sapiens

<400> 764

His Ser Gly Thr Ala Lys Ser Val Thr Cys Thr Tyr Ser Pro Ala Leu

1 5 10 15

Asn Lys Met

<210> 765
<211> 102
<212> PRT
<213> Homo sapiens

<400> 765

Met Phe Cys Gln Leu Ala Lys Thr Cys Pro Val Gln Leu Trp Val Asp
1 5 10 15

Ser Thr Pro Pro Pro Gly Thr Arg Val Arg Ala Met Ala Ile Tyr Lys
20 25 30

Gln Ser Gln His Met Thr Glu Val Val Arg Arg Cys Pro His His Glu
35 40 45

Arg Cys Ser Asp Ser Asp Gly Leu Ala Pro Pro Gln His Leu Ile Arg
50 55 60

Val Glu Gly Asn Leu Arg Val Glu Tyr Leu Asp Asp Arg Asn Thr Phe
65 70 75 80

Arg His Ser Val Val Val Pro Tyr Glu Pro Pro Glu Val Gly Ser Asp
85 90 95

Cys Thr Thr Ile His Tyr
100

<210> 766
<211> 9
<212> PRT
<213> Unknown

<220>
<223> DR7 preferred motif

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa may be Met, Phe, Leu, Ile, Val, Trp or Tyr

<220>
<221> misc_feature
<222> (5)..(5)
<223> Xaa may be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (6)..(6)
<223> Xaa may be Ile, Val, Met, Ser, Ala, Cys, Thr, Pro or Leu

<220>
<221> misc_feature
<222> (8)..(8)
<223> Xaa may be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (9)..(9)
<223> Xaa may be Ile or Val

<400> 766

Xaa Met Trp Ala Xaa Xaa Met Xaa Xaa
1 5

<210> 767
<211> 9
<212> PRT
<213> Unknown

<220>
<223> DR7 deleterious motif

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa may be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (3)..(3)
<223> Xaa may be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (5)..(6)
<223> Xaa may be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (7)..(7)
<223> Xaa may be Gly, Arg or Asp

<400> 767

Xaa Cys Xaa Gly Xaa Xaa Xaa Asn Gly
1 5